

STEREO CASSETTE DECK

KX-5030

SERVICE MANUAL

KENWOOD

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B51-4299-00(S)1795

Knob (POWER)
(K29-4180-04)

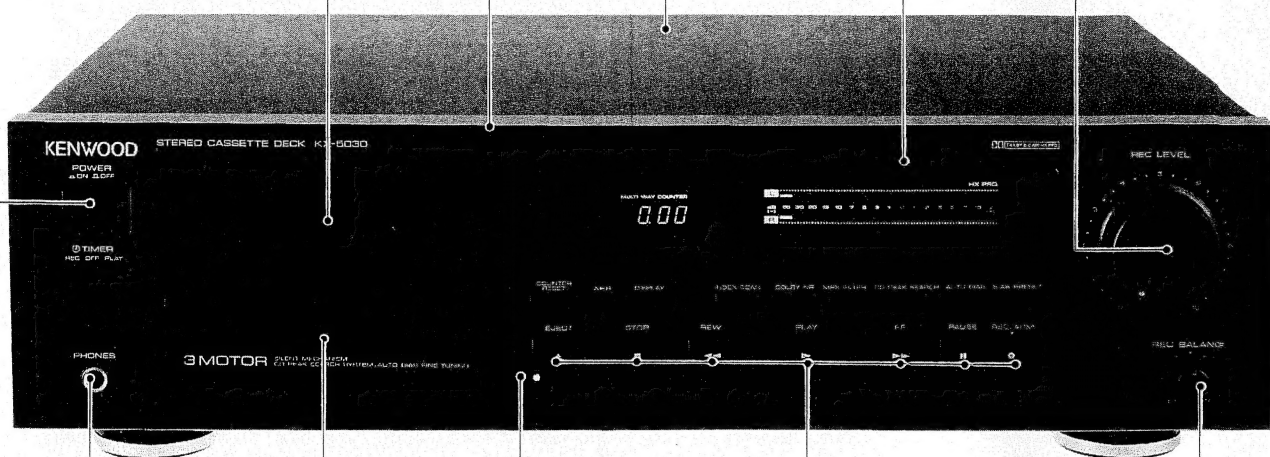
Cassette lid
(A53-1290-03)

Panel
(A60-0056-02)

Metallic cabinet
(A01-1943-01)

Front glass
(B10-1847-03)

Knob (REC LEVEL)
(K29-4152-04)



Phone jack
(E11-0189-05)

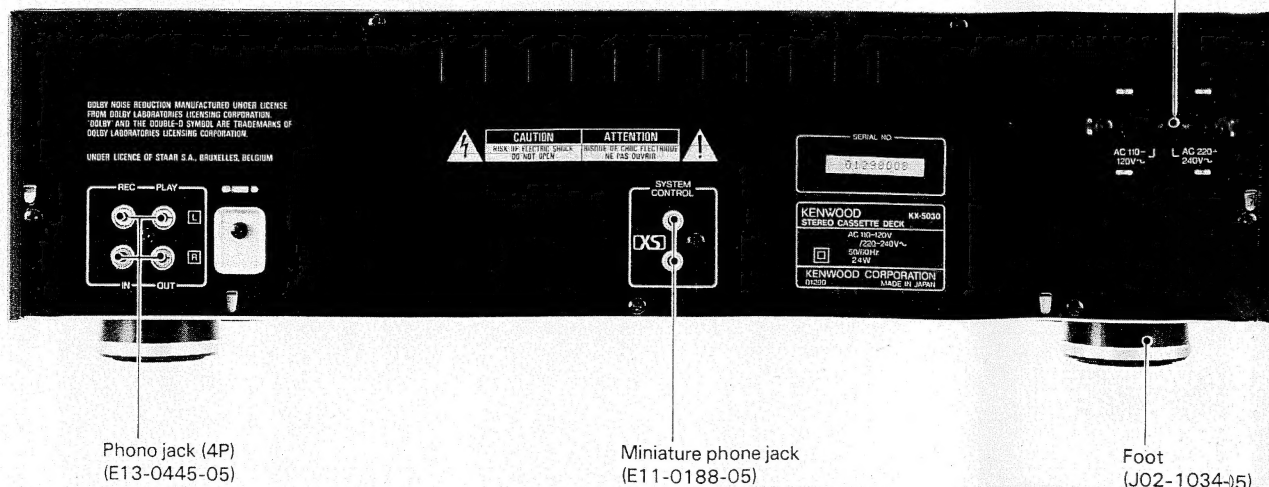
Dressing plate (CASSETTE)
(B03-2713-03)

Dressing plate (PANEL)
(B03-2712-03)

Knob (TAPE CONTROL)
(K29-4150-03)

Knob (REC BALANCE)
(K29-4010-04)

AC inlet (Y TYPE only)
(E03-0102-25)



Phono jack (4P)
(E13-0445-05)

Miniature phone jack
(E11-0188-05)

Foot
(J02-1034-05)

Photo is KX-5030Y TYPE.
Refer to parts list on page 39.

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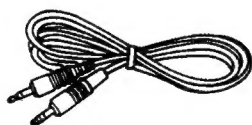
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Accessories

Audio cord 2
(E30-0505-05)



System control cord 1
(Except for U.K. and Europe)
(E30-0977-05)



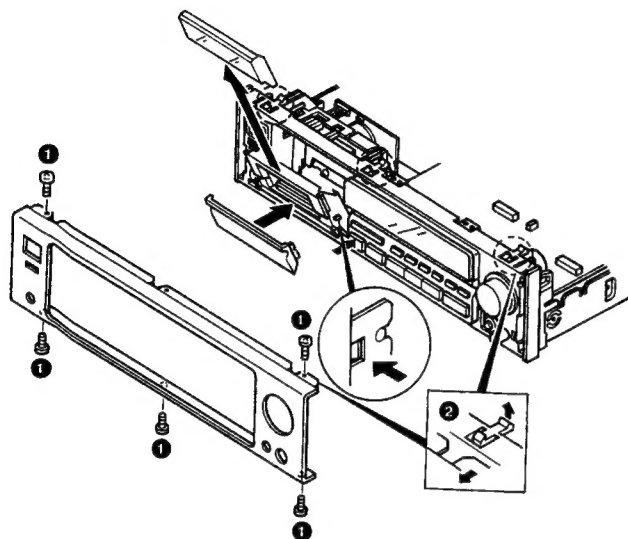
AC cord 1
(Except for some areas.)
(The shape may vary depending on the destination area.)



DISASSEMBLY FOR REPAIR

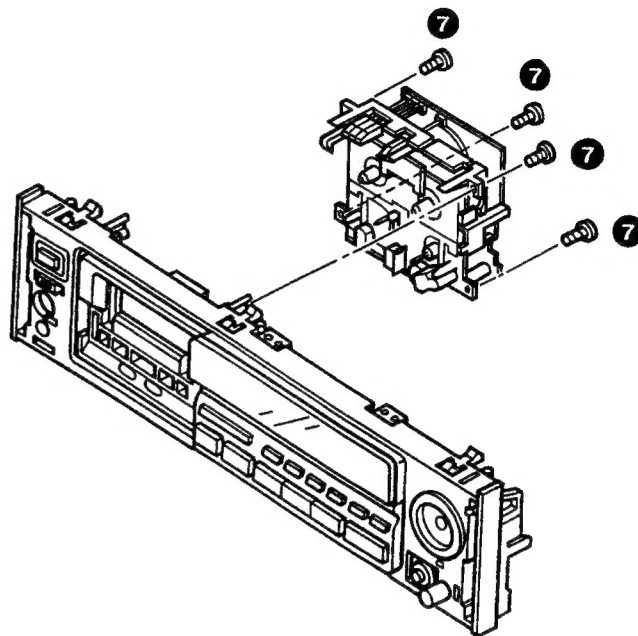
Remove the front panel.

1. Remove the five screws ①.
2. Remove the two claws ②, then remove the front panel.
3. Press the EJECT button, then detach the cassette lid from the cassette holder.



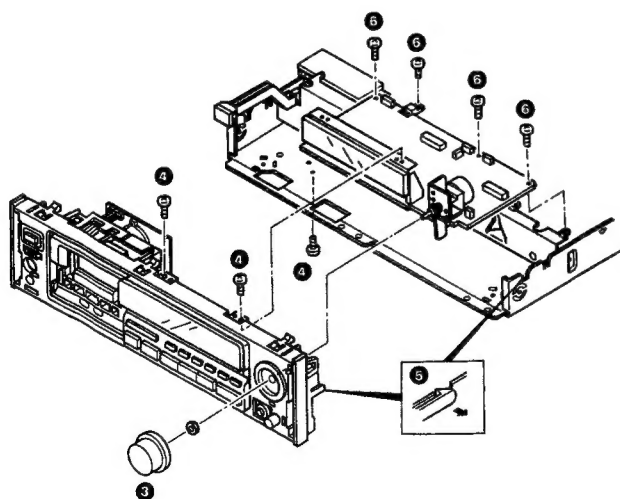
Remove the mechanism

7. Remove the four screws, then remove the mechanism.



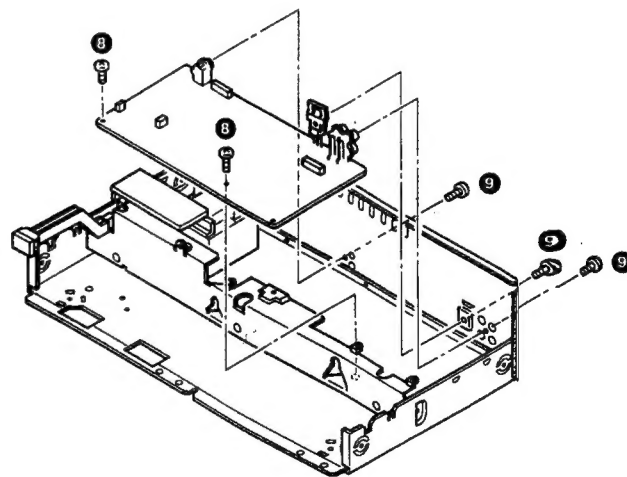
Remove the display unit.

4. Remove the knob ③ and nut.
5. Remove the three screws ④ and two claws ⑤, then remove the sub panel.
6. Remove the four screws ⑥, then remove the display unit.

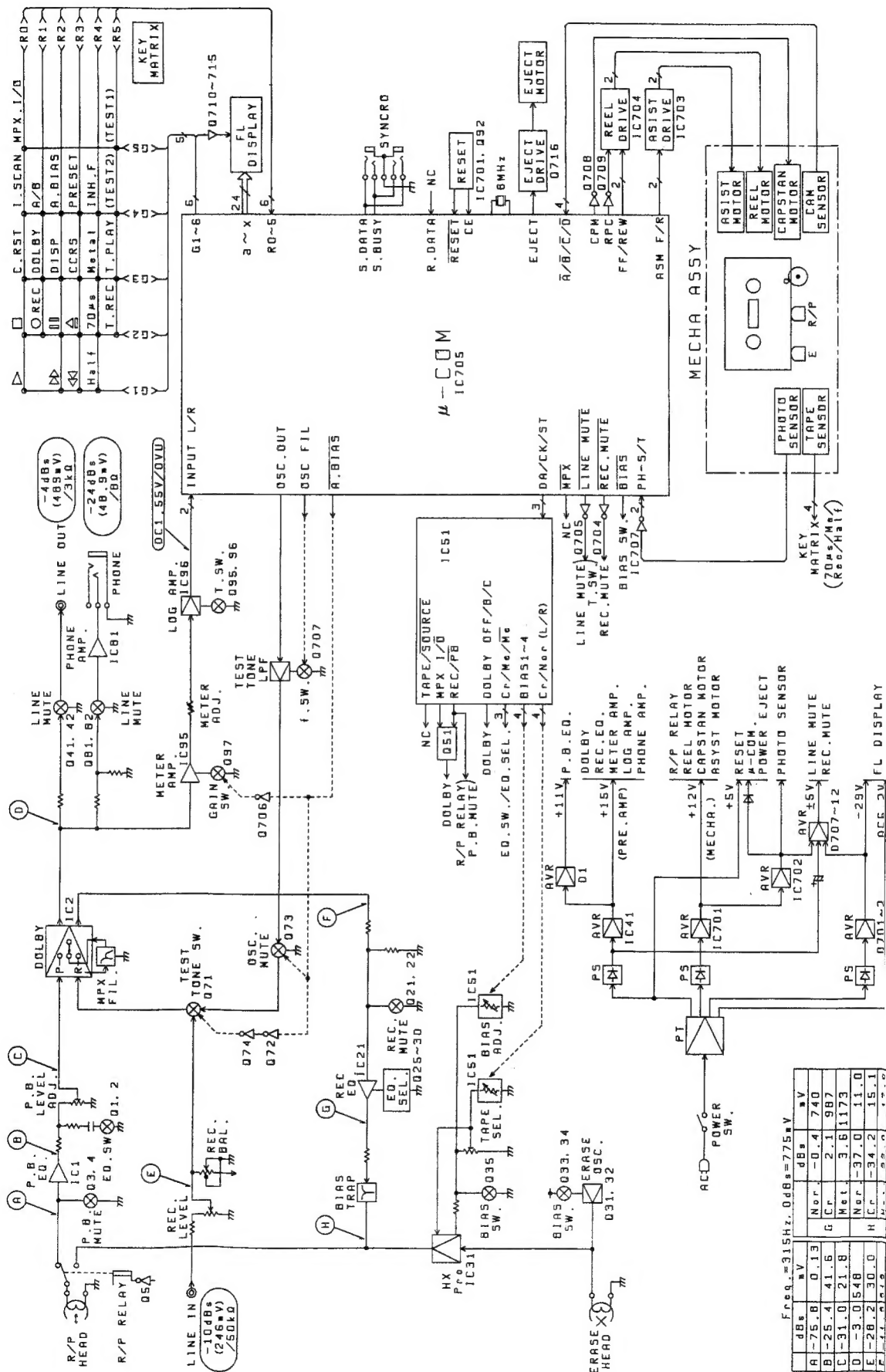


Remove the PC board.

8. Remove the two screws ⑧.
9. Remove the three screws ⑨, then remove the PC board.



BLOCK DIAGRAM



CIRCUIT DESCRIPTION

Functions of Components
Cassette unit (X26-125X-XX)

Parts No.	Parts Name	Use/Function	Operation
Q1,2	2SC1740S or 2SC3311A	Playback equalization time constant switching	Playback equalization high-range time constant switching between 120 μ s and 70 μ s. ON: 70 μ s.
Q21,22	2SD 1302	REC MUTE	Pin 13 (RM) of microprocessor IC705 goes high during recording, Q704 turns off, and Q21 and Q22 turn off.
Q23,24	2SC1740S	Playback equalization select (CYO2)	IC51 pin 8 (CrO2) goes high for CrO2 tape, and Q23 and Q24 turn off.
Q25,26	2SC1740S	Playback equalization (METAL)	IC51 pin 10 (MET) goes high for metal tape, and Q25 and Q26 turn off.
Q27,28	2SC1740S	Playback equalization peaking	IC51 pin 11 goes high for normal and CrO2 tape, and Q27 and Q28 turn off.
Q31,32	2SD863	BIAS OSC	105 kHz is produced during recording.
Q33	2SC3246	Bias power supply	Microprocessor IC705 pin 11 (BIAS) goes low during recording, Q34 turns off, Q33 turns on, and +B is applied to OSC for E. HX.
Q34	DTC124ES	BIAS ON/OFF SW	
Q35	DTC124ES	HX slow start switch	Switch that starts HX OSC slowly during recording.
Q41,42	2SD1302	L MUTE SW	Pin 12 (LM) of microprocessor IC705 goes high during recording or playing. Q705 turns off, and Q41 and Q42 turn off.
Q51	DTC124ES	MPX SW	Q51 is turned on and off by IC51 pin 22. Q51 OFF \rightarrow MPX FIL ON
Q71	2SC1740S	TEST TONE SW	Controlled by IC705 pin 21 (A. BIAS).
Q72	2SC1740S		Low during A. BIAS \rightarrow Q72: off, Q74: on, Q71: off
Q73	2SC1740S		Q73 turns off, and the line input turns off.
Q74	2SA130.9A		The output from OSC OUT goes to Rch of IC11.
Q704	2SA1309A	RM drive	Q704 is turned on and off by IC705 pin 13 (RM), and Q21 and Q22 are turned on and off.
Q705	2SA1309A	LM drive	Q705 is turned on and off by IC705 pin 12 (LM). Q95, Q96, Q81, Q82, Q41, and Q42 are turned on and off.
Q706	2SA.1309A	LEVEL AMP SW	Q706 is turned on by A. BIAS, Q707 is turned on, and the gain of the IC95 level amplifier is changed.
Q707	2SC3311A		
Q708	2SC3246	CM DRIVE	Q708 is turned on and off by IC705 pin 25 (CPM). The capstan motor is also turned on and off.
Q709	2SC3311A	RM SP SW	Q709 is turned on and off by IC705 pin 38 (RPC), and the reel motor speed is controlled.
Q710 715	DTC113ZS	FL DRIVE	Fluorescent display (grid) drive
Q716	2SC3246	EJECT MOTOR DRIVE	Q716 is turned on and off by IC705 pin 76 (EJECT), and the eject motor is controlled. ON: EJECT MOTOR ON.
Q718	DTA113ZS	POWER ON MUTE	When the power is switched on, Q718 is turned on to turn recording mute on.
IC1	TA8125S	PB EQ AMP.	
IC11	HA1217ONT	DOLBY	Changed between OFF, B, and C by the input to pin 5. The multiplex filter is turned on and off by the input to pin 26.
IC21	NJM4565DD	REC EQ AMP	
IC31	μ PC1297CA	HX-PRO	
IC41	μ PC7815HF	+15V AVR	Power supply for the playback/record circuit.

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CIRCUIT DESCRIPTION

Parts No.	Parts Name	Use/Function	Operation
IC51	TC9164N	FUNCTION switch	See attached sheet.
IC81	M5218AL	H.PHONE AMP.	
IC95	NJM4565DD	METER AMP.	
IC96	BA6138	LOG AMP.	
IC701	μ PC7812HF	+12V AVR	Power supply for the mechanism
IC702	μ PC7805HF	+5V AVR	Power supply for microprocessor, remote controller, and resetting
IC703	BA6209	AM DRIVE	Normal and reverse rotation is controlled by pins 2 and 10.
IC704	BA6229	RM DRIVE	Pins 2 and 10 control the direction of rotation, and the voltage at pin 4 controls the speed.
IC705	CXP82124-1036	μ -com	See attached paper.
IC707	BA10393N	Reel pulse amplifier	
			When the power is switched on, Q92 is turned on for resetting.

CIRCUIT DESCRIPTION




Description of Operation

Key name	Function	Display
FWD PLAY ▶	If there is a cassette in the drive, it is played back in the forward direction.	Linear counter
FF ▶▶	The tape is wound onto the right-hand reel at high speed.	Linear counter
REW ◀◀	The tape is wound onto the left-hand reel at high speed.	Linear counter
STOP ■	All operations are stopped.	Linear counter
REC/ARM ●/◆	Starts recording. If recording is in progress, ARM starts.	The REC indicator (●) lights. The indicator flashes during ARM and lights when ARM ends (■●).
PAUSE ■	Recording pauses (REC PAUSE) or playing pauses (PLAY PAUSE).	The PAUSE indicator (■) lights.
COUNTER RESET	<ul style="list-style-type: none"> Resets the linear counter to 0.00. Maintains 0.00 while the key is held down. Stops when this key is pressed during zero stop. Invalid during DPSS track selection. 	Linear counter
DOLBY NR.	Switches the Dolby noise reduction. OFF → B → C	OFF B DOLBY NR [B] C DOLBY NR [C]
DISPLAY	Switches display.	All display → Counter only (The operation from the counter is automatically performed if another key is pressed.)
CD peak search	<ul style="list-style-type: none"> CD peak search start CD high-speed sampling 	REC PAUSE indicator
MPX FILTER	MPX FILTER ON/OFF	The MPX indicator lights or goes off.
A/B REPEAT	Playback the part between A and B. (Effective only during playback) When the key is first pressed, point A is memorized; when the key is pressed again, point B is memorized. When REWIND is pressed, playback starts from point A, and is repeated 16 times. <ul style="list-style-type: none"> If another key is pressed, the A-B repeat is cancelled. After the specified part has been played back 16 times, normal playback returns. It must take at least 10 seconds from point A to point B.	Repeat A ▶ B Counter indicator 0.01 Number of playbacks
AUTO BIAS	Auto bias on/off key	AUTO BIAS flashes. → Lights.
BIAS PRESET	1. AUTO BIAS on: The current optimum bias value is stored in memory. 2. AUTO BIAS off: The optimum bias value is recalled from memory.	1. AUTO BIAS → BIAS PRESET Flash → Light 2. BIAS PRESET Flash → Light

DPSS mode

Name	Key operation	Description
INDEX SCAN	INDEX SCAN key Counter indicator 0.01 Number of playbacks	The beginning of each track is played for about 10 seconds.
Zero stop	FF + STOP REW + STOP	Stop when the counter reaches 0.00.

CIRCUIT DESCRIPTION

Name	Key operation	Description (The description in parentheses is for reverse playback.)
Fast forward search (skip track selection)	Press the FF key during forward playback. Counter indicator  Number of key presses Number of tracks	<ul style="list-style-type: none"> • Skips forward (relative to the playback direction) the number of tracks (up to 16) equivalent to the number of times the FF key is pressed. • If the the FF is pressed during fast forward search, the number of times the key is pressed is added to the number of tracks to be skipped.
Rewind search (skip track selection)	Press the REW key during forward playback.	<ul style="list-style-type: none"> • Skips backward (relative to the playback direction) the number of tracks (up to 16, including the current track) equivalent to the number of times the REW key is pressed. • If the REW key is pressed during rewind search, the number of times the key is pressed is added to the number of tracks to be skipped.
One-track repeat	Press the PLAY key again during playback, or press the PLAY key twice during an operation other than playback. Counter indicator  Number of playbacks	<ul style="list-style-type: none"> • The current track is played 16 times, the normal playback returns. • If the PLAY key is pressed again while a track is being repeated, the track is repeated 16 times from that time.
Rewind play	Press the REW and FWD PLAY keys together.	<ul style="list-style-type: none"> • When the REW and FWD PLAY keys are pressed together, the tape is rewound to its end (RWD), and then a fast forward search is done on the forward side. When the first track is detected, playback starts.
Dash & Play	Press the FF and REW keys together. • One-side full repeat for undirectional models Counter indicator  Number of playbacks	<ul style="list-style-type: none"> • Plays back in the current tape direction. • Cues and searches for the next track if a blank section continues for ten seconds during playback. If a track is found, it is played back.
Rerec standby	Press the REW key during forward recording.	<ul style="list-style-type: none"> • If the end of a previous track is found by reviewing (RVW), the tape is stopped two seconds before the end.
Auto rec mute	Press the REC key during normal recording.	Turn REC MUTE on for four seconds, record, and then record pause.

CIRCUIT DESCRIPTION

Auto-bias operation

- The deck must be stopped and contain a tape that can be recorded on.

1) Bias select

- Feed unrecorded tape for ten seconds to skip the leader tape.
- Changing the bias values in order, starting with the largest, record 400-Hz and 10-kHz signals alternately, and monitor them at the same time. The point where 10 kHz (level) \geq 400 Hz (level) is the optimum value, and is stored in memory and output.

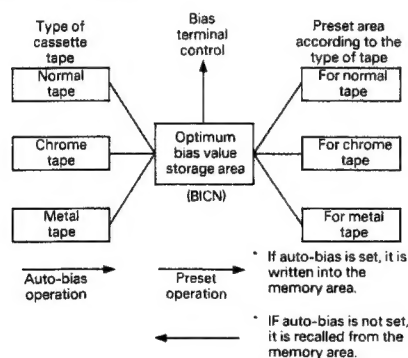
2 HEAD

Feed	REC	RWD	PLAY	RWD
10 sec	16 sec	2 sec	16 sec	2 sec

2) Bias preset

When the auto-bias operation is performed, the optimum bias value is stored in the current memory area (BICN).

- (a) Since there is only one area regardless of the type of tape, if the auto-bias is set and the type of tape is changed, the optimum bias value will be wrong. So the auto-bias needs to be set again or a preset value needs to be recalled.



- (b) A preset value is recalled to solve the problem described in (a).

The preset condition is backed up and is not erased by switching the power on or off. If presetting is turned on, the optimum bias value for the type of tape is always recalled from the preset area. So recording can be always done with the optimum bias value when the tape is changed or timer recording takes place.

4. Operation canceling

- (a) If auto-bias is set and the AUTO BIAS key is pressed, the previous optimum bias value is cleared, and the initial setting (center value) is recalled.
- (b) If bias preset is off, and the BIAS PRESET key is pressed, the initial setting is recalled.

Test mode

1. Test mode setting

Short pin 3 to pin 4 with a diode, and switch the power on.

2. Test mode cancel

The test mode is exited when the PAUSE KEY is pressed.

3. Test mode

(1) **All indicators on:** All indicators light 500 ms after the power is switched on, and stay on for about 1.5 seconds. When all the indicators go off, key inputs are accepted.

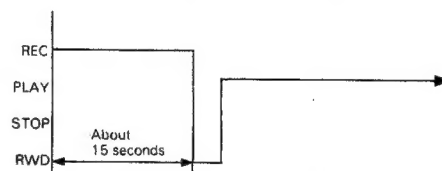
(2) **Mechanical switch display:** The condition of each mechanical switch is displayed on the level meter section when LINE MUTE is on.

CrO ₂	MET	REINH
+3 dB	+7 dB	+12 dB

(3) **Direct change:** Playback is changed directly to recording.

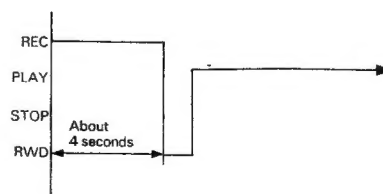
(4) **Timer play:** When the timer switch is set to PLAY, playback starts in the shortest possible time (about two seconds).

(5) **Timer recording:** When the timer switch is set to REC, recording and playback take place automatically as shown in the following timing chart.



(6) **CCRS:** When the CCRS key is pressed, serial code "CCRS start" is output, then REC PAUSE is made effective.

(7) **Four-second recording:** When the REC key is pressed, recording is done for four seconds, then the recorded part is played back from the beginning.

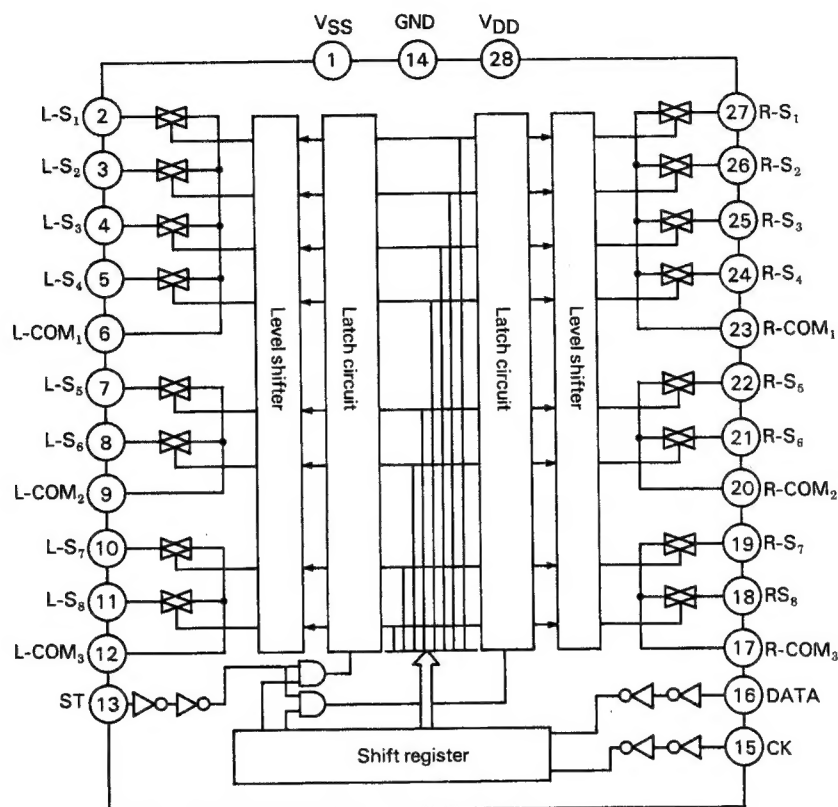


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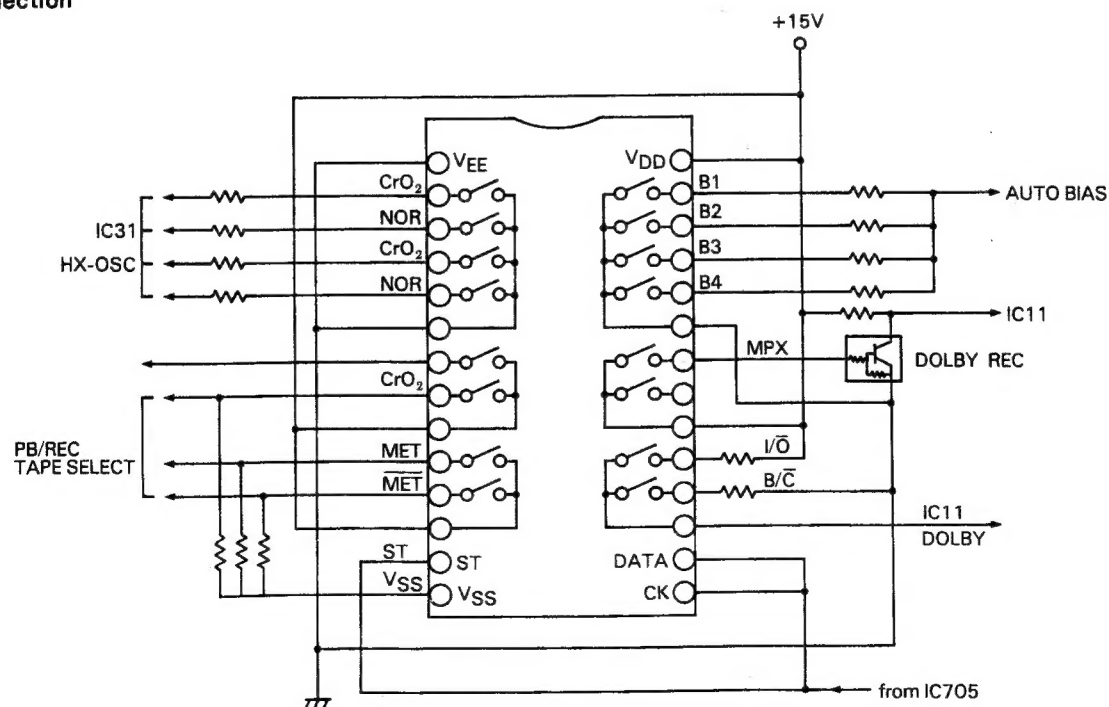
CIRCUIT DESCRIPTION

Analog function switch array IC (TC9164N)

Block diagram



Pin connection



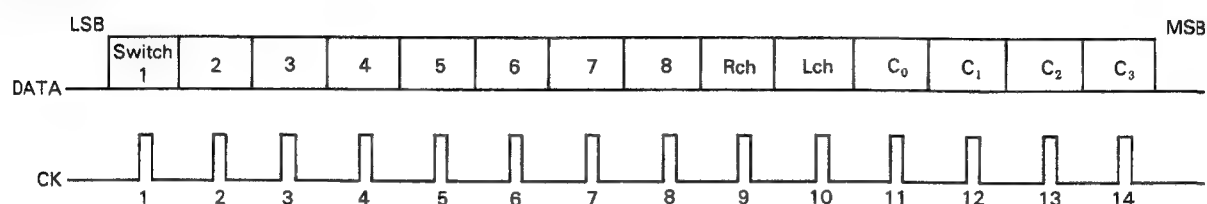
CIRCUIT DESCRIPTION

Description of Operation

Data input

The TC9164N can control each analog switch by supplying appropriate data to the DATA, CK, and ST pins.

Data consists of 14 bits, as follows:

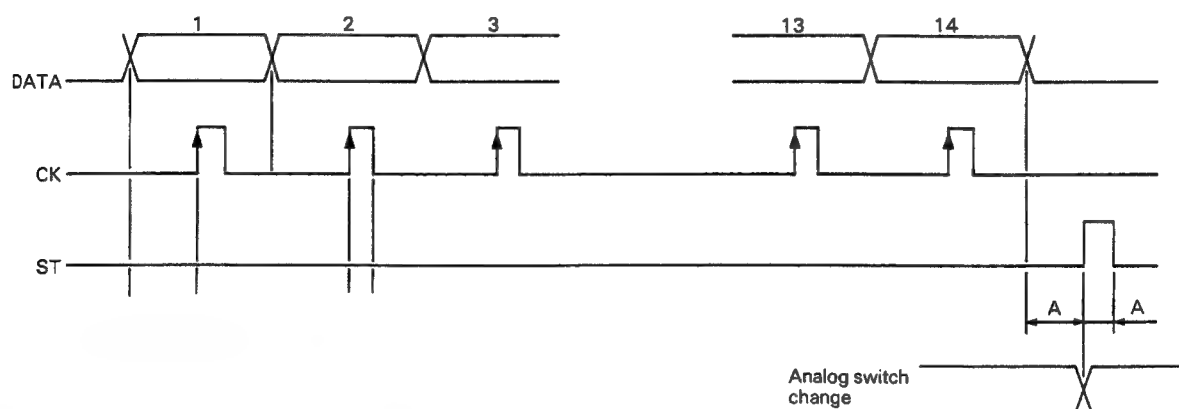


Bits 1 to 8 correspond to analog switches 1 to 8. Set the bit corresponding to the switch to be turned on to 1.

Bits 9 and 10 specify the right or left channel.

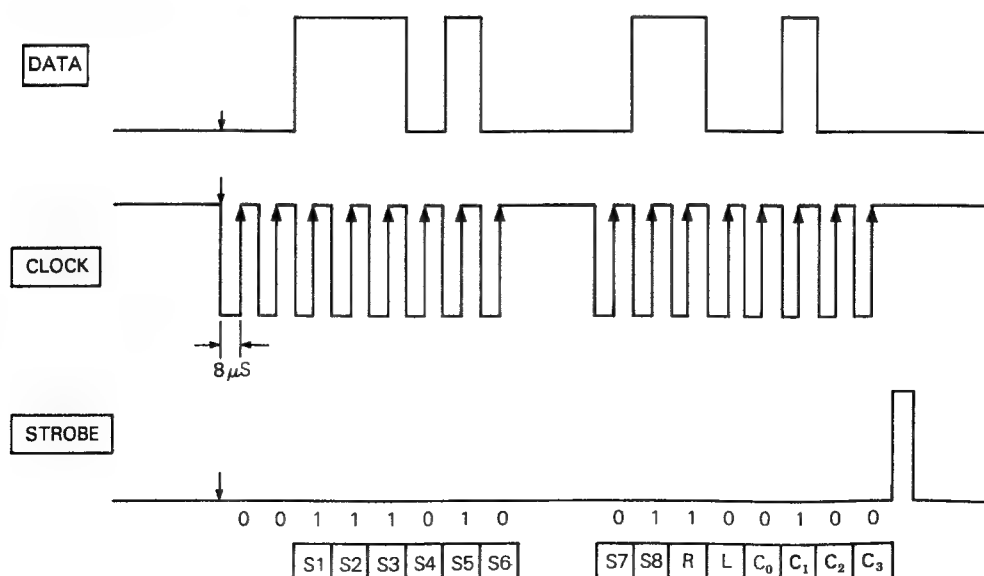
Bits 11 to 14 are code bits used to select chips. (0100 for the TC9164)

Data input to DATA is input to the internal shift register on the rising edge of the CK input signal. The input data is finally transferred to the latch circuit from the shift register with the ST signal, and the old data is replaced by the new.



Example of transfer timing chart

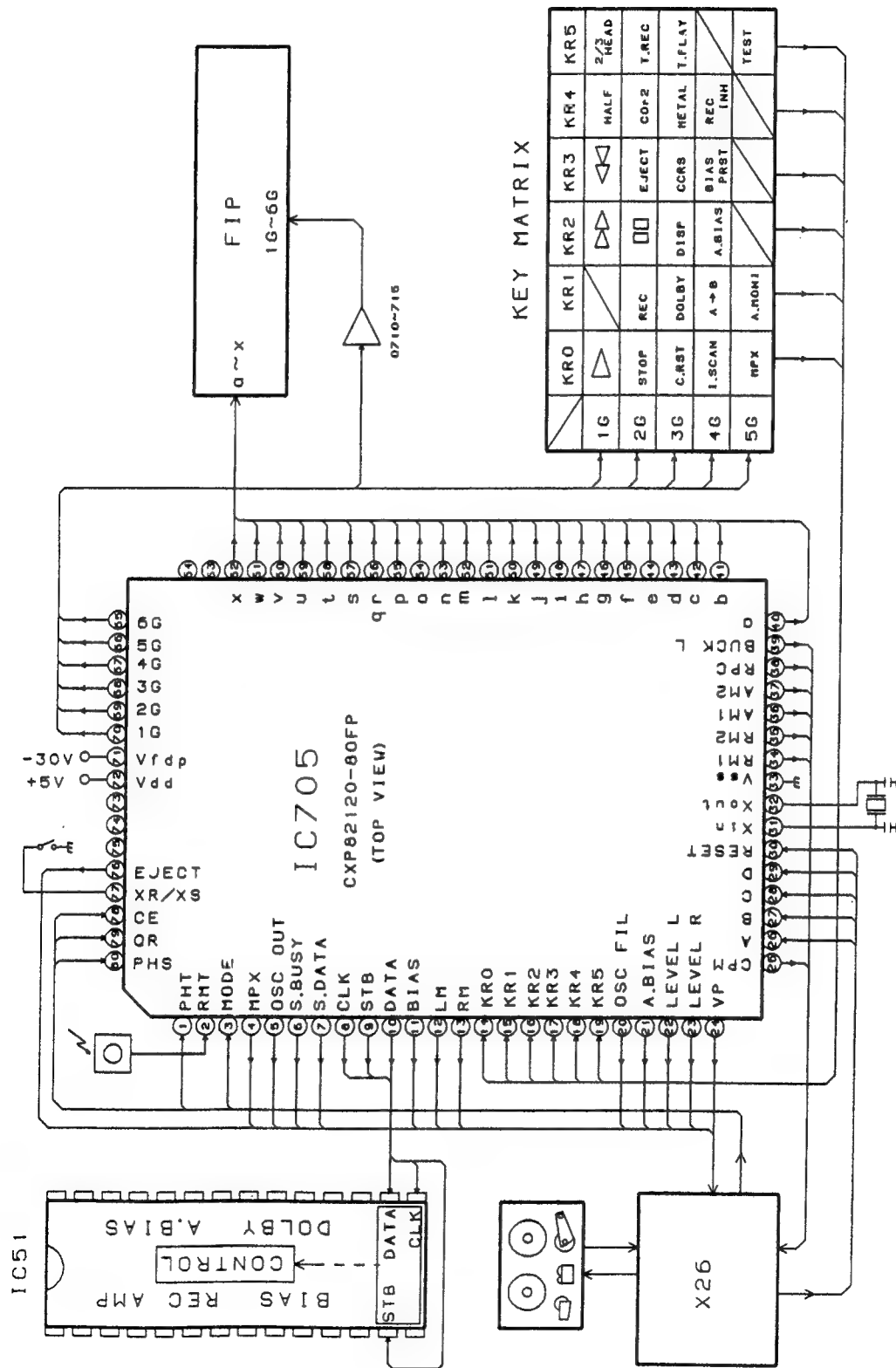
The above clock waveform is for 16 bits, but the first two bits are invalid. In this example, the R side of SW1, SW2, SW3, SW5, and SW8 conducts.



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CIRCUIT DESCRIPTION

Microprocessor (CXP82120-80FP)



CIRCUIT DESCRIPTION

Pin Description

Pin No.	Pin name	I/O	Name	Description
1	PE3/INT3	I	PHOTO IN T.	Photosensor takeup side
2	PE4/RMC	I	REMO IN.	Remote control signal input pin
3	PE5	I	M. MODE	Mechanism operation mode identification H: 5030 L: OTHER
4	PE6	O	MIX	MPX FILTER ON/OFF H: OFF L: ON
5	PE7/TO	O	DSCOUT	Internal oscillator output pin for auto-bias 400 Hz or 10 kHz
6	PB0/CINT	I/O	SBUSY	Synchronizing pin for external equipment
7	PB1/CS0	I/O	S.DATA	Synchronizing pin for external equipment
8	PB2/SCK0	O	CLK	Selector IC drive pin
9	PB3/SI0	O	ST	Selector IC drive pin
10	PB4/SO0	O	DATA	Selector IC drive pin
11	PB5/SCK1	O	BIAS	Bias generation on/off during recording H: OFF L: ON
12	PB6/SI1	O	LINE MUTE	Line mute
13	PB7/SO1	O	REC MUTE	Rec mute
14	PC0/KR0	I	KR0	Key return
15	PC1/KR1	I	KR1	Key return
16	PC2/KR2	I	KR2	Key return
17	PC3/KR3	I	KR3	Key return
18	PC4/KR4	I	KR4	Key return
19	PC5/KR5	I	KR5	Key return
20	PC6/KR6	O	OSC FILTER	Switching filters for internal oscillation H: Line L: Internal
21	PC7/KR7	O	A. BIAS	Switching input for auto-bias H: Line L: Internal
22	PA0/AN0	I	LEVEL Lch	Level input pin Lch
23	PA1/AN1	I	LVEL Rch	Level input pin Rch
24	PA2/AN2	I	VOL POSITION	Motor-driven volume control position detection pin (for KX-5530 only)
25	PA3/AN3	O	Sankyo mechanism CPM	Capstan motor control
26	PA4/AN4	I	ROTARY SW \bar{A}	Cam position detection switch for Sankyo mechanism
27	PA5/AN5	I	\bar{B}	Cam position detection switch for Sankyo mechanism
28	PA6/AN6	I	\bar{C}	Cam position detection switch for Sankyo mechanism
29	PA7/AN7	I	\bar{D}	Cam position detection switch for Sankyo mechanism
30	RST	I		Reset input pin
31	EXTAL	I		Oscillator connection pin 8.0 kHz
32	XTAL	O		Oscillator connection pin
33	Vss			Power connection pin
34	PD0/S0	O	FF	Reel motor control
35	PD1/S1	O	REW	Reel motor control
36	PD2/S2	O	ASM1	Assist motor control
37	PD3/S3	O	ASM2	Assist motor control
38	PD4/S4	O	RPC	Reel motor speed control H: PLAY L: Other
39	PD5/S5	O	VOLLED	Volume control LED control (For KX-3530 only)

CIRCUIT DESCRIPTION

Pin No.	Pin name	I/O	Name	Description
40	PD6/S6	O	a	Segment drive pin
41	PD7/S7	O	b	Segment drive pin
42	PD8/S8	O	c	Segment drive pin
43	PF1/S9	O	d	Segment drive pin
44	PF2/S10	O	e	Segment drive pin
45	PF3/S11	O	f	Segment drive pin
46	PF4/S12	O	g	Segment drive pin
47	PF5/S13	O	h	Segment drive pin
48	PF6/S14	O	i	Segment drive pin
49	PF7/S15	O	j	Segment drive pin
50	S16	O	k	Segment drive pin
51	S17	O	l	Segment drive pin
52	S18	O	m	Segment drive pin
53	S19	O	n	Segment drive pin
54	S20	O	o	Segment drive pin
55	T15/S21	O	p	Segment drive pin
56	T14/S22	O	q,r	Segment drive pin
57	T13/S23	O	s	Segment drive pin
58	T12/S24	O	t	Segment drive pin
59	T11/S25	O	u	Segment drive pin
60	T10/S26	O	v	Segment drive pin
61	T9/S27	O	w	Segment drive pin
62	T8/S28	O	x	Segment drive pin
63	T7	O		Unused pin
64	T6	O		
65	T5	O	6G	Grid drive pin/Scanning for key reading
66	T4	O	5G	Grid drive pin/Scanning for key reading
67	T3	O	4G	Grid drive pin/Scanning for key reading
68	T2	O	3G	Grid drive pin/Scanning for key reading
69	T1	O	2G	Grid drive pin/Scanning for key reading
70	T0	O	1G	Grid drive pin/Scanning for key reading
71	V _{FDP}			Pulldown power supply for fluorescent display tube drive pin (about -30 V)
72	V _{DD}			Power supply pin +5V
73	N _{CVP}			NC
74	PG0	O	MOTORVOL UP	Motor-driven volume control drive pin up (For KX-5530 only)
75	PG1	O	MOTORVOL DOWN	Motor-driven volume control drive pin down (For KX-5530)
76	PG2	O	EJECT	Eject motor drive pin
77	PG3	I	SINCRO MODE	Synchronizing mode setting pin H: XR L: XS
78	PE8/INT0	I	\overline{CE}	Backup detection pin H: normal L: Backup
79	PE1/INT1	I	QUICK REVERSE	Quick-reverse detection pin
80	PE2/INT2	I	PHOTO n _j S.	Photosensor supply side

CIRCUIT DESCRIPTION

TIMING CHART

Port Name	Port No.	STOP→F. PLAY (STOP→F. REC)
KEY IN		
SOL	36	
(HOLD)	37	
CPM	25	
L. MUTE	12	
R. MUTE	13	
BIAS	11	
FF	34	
REW	35	

Port Name	Port No.	STOP→R. PLAY (STOP→R. REC)
KEY IN	A / B	
SOL	36	
(HOLD)	37	
CPM	25	
L. MUTE	12	
R. MUTE	13	
BIAS	11	
FF	34	
REW	35	

Port Name	Port No.	F. REC→STOP
KEY IN		
SOL	36	
SOL (HOLD)	37	
CPM	25	
L. MUTE	12	
R. MUTE	13	
BIAS	11	
FF	34	
REW	35	

Port Name	Port No.	R. REC→STOP
KEY IN		
SOL	36	
SOL (HOLD)	37	
CPM	25	
L. MUTE	12	
R. MUTE	13	
BIAS	11	
FF	34	
REW	35	

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CIRCUIT DESCRIPTION

Port Name	Port No.	STOP→FF→STOP
KEY IN		
SOL	36	
(HOLD)	37	
CPM	25	
L. MUTE	12	
R. MUTE	13	
BIAS	11	
FF	34	
REW	35	

Port Name	Port No.	STOP→REW→STOP
KEY IN		
SOL	36	
(HOLD)	37	
CPM	25	
L. MUTE	12	
R. MUTE	13	
BIAS	11	
FF	34	
REW	35	

Port Name	Port No.	F. PLAY→CUE (R. PLAY→REVIEW)
KEY IN		
SOL	36	
(HOLD)	37	
CPM	25	
L. MUTE	12	
R. MUTE	13	
BIAS	11	
FF	34	
REW	35	

Port Name	Port No.	F. PLAY→REVIEW (R. PLAY→CUE)
KEY IN		
SOL	36	
(HOLD)	37	
CPM	25	
L. MUTE	12	
R. MUTE	13	
BIAS	11	
FF	34	
REW	35	

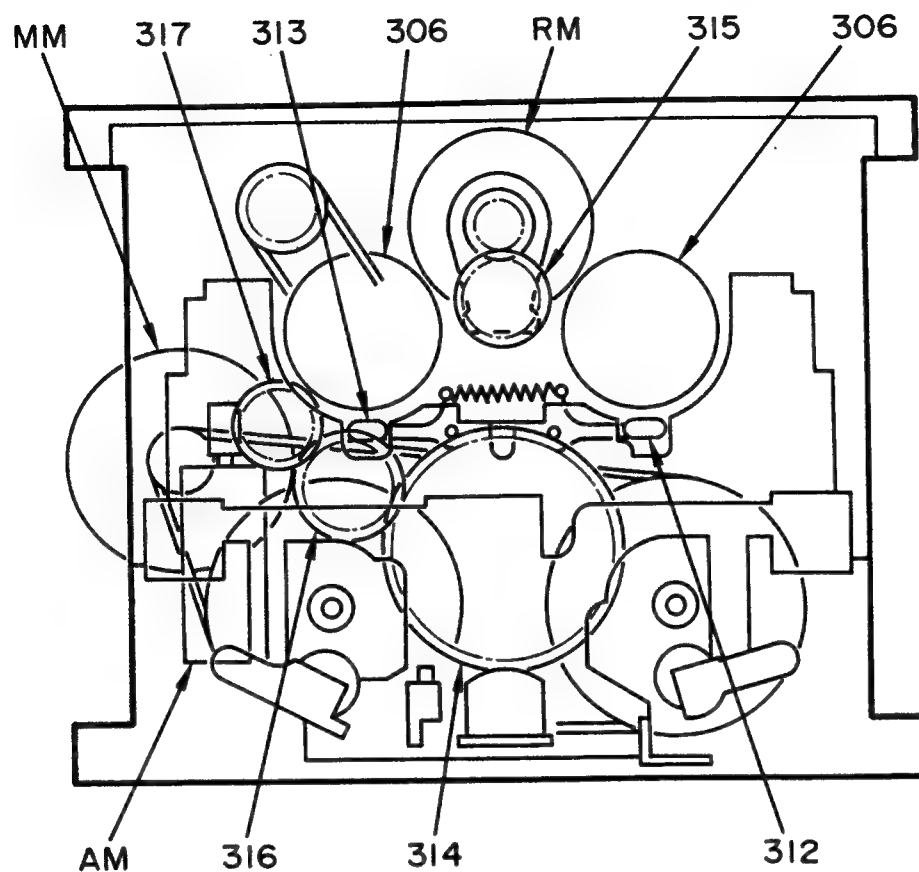
CIRCUIT DESCRIPTION

Port Name	Port No.	F. CUE→STOP (R. REVIEW→STOP)
KEY IN		
SOL	36	
(HOLD)	37	
GPM	25	
L. MUTE	12	
R. MUTE	13	
B. BIAS	11	
FF	34	
REW	35	

Port Name	Port No.	F. REVIEW→STOP (R. CUE→STOP)
KEY IN		
SOL	36	
(HOLD)	37	
GPM	25	
L. MUTE	12	
R. MUTE	13	
B. BIAS	11	
FF	34	
REW	35	

KX-5030

MECHANISM DESCRIPTION



Mechanism specifications

Motor

MM	T42-0595-08
RM	T42-0592-08
AM	T42-0593-08

PLAY torque: 35 ~55 g ·cm
FF/RWD torque: 70 ~160 g ·cm
Back tension torque: 2 ~5 g ·cm

MECHANISM DESCRIPTION

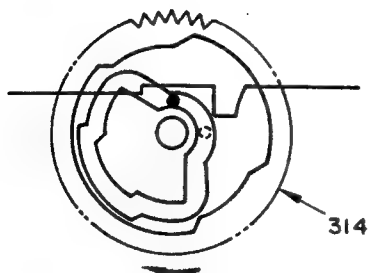
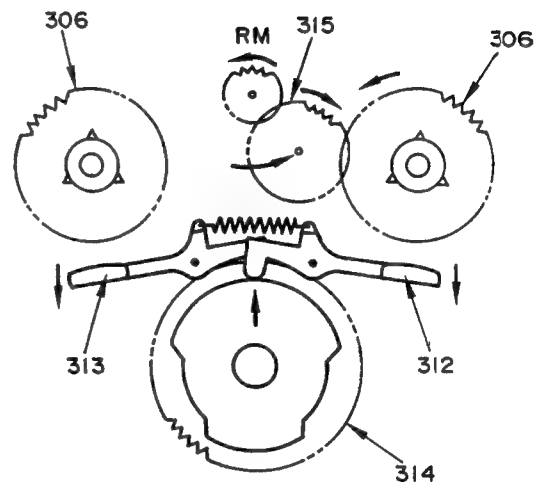
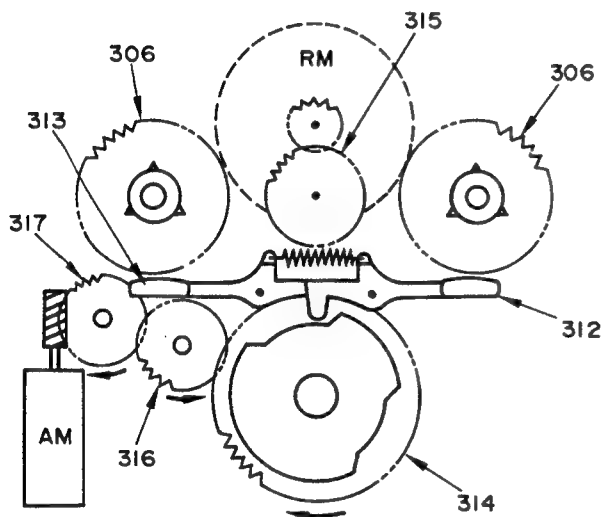
Description of Operation

Playback/Record

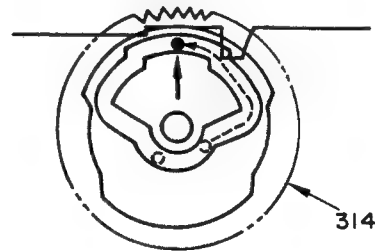
1. The assist motor runs.
2. Relay gears A and B turn the cam gear in the direction of the arrow, raising the boss on the head chassis. The pinch roller is pressed against the capstan.
3. In the PLAY position, the reel brake is released by the cam on the cam gear.
4. The reel motor runs in the direction of the arrow, and the idler gear starts turning the takeup reel in the direction of the arrow to start playback/recording.

Playback/record → STOP

The assist motor runs, and the operations up to playback/record are reversed.



STOP



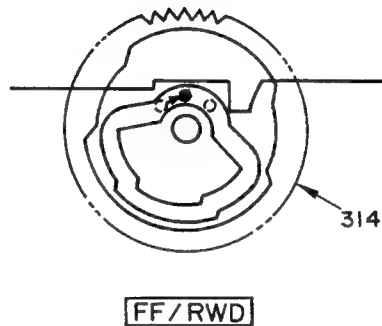
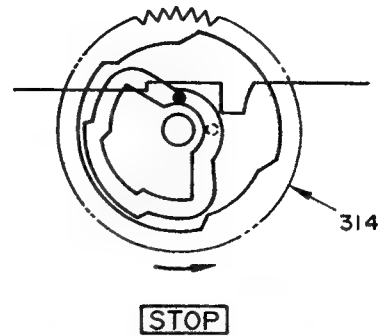
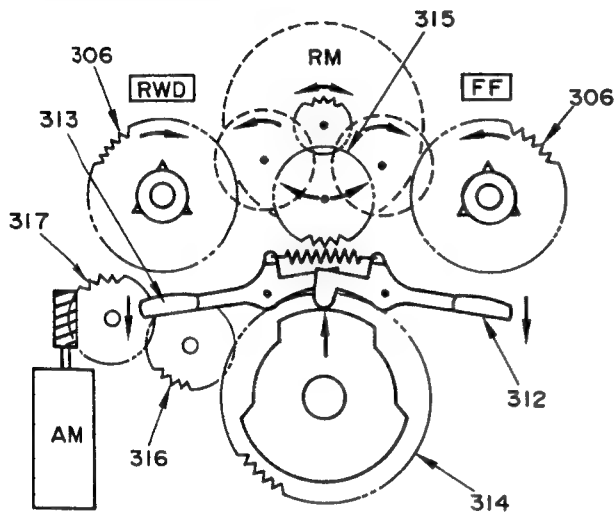
PLAY/REC

KX-5030

MECHANISM DESCRIPTION

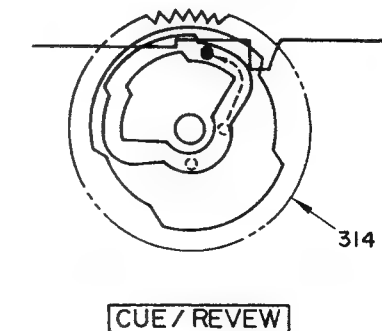
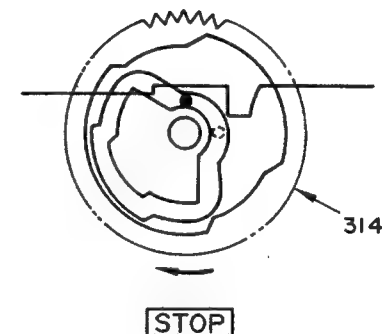
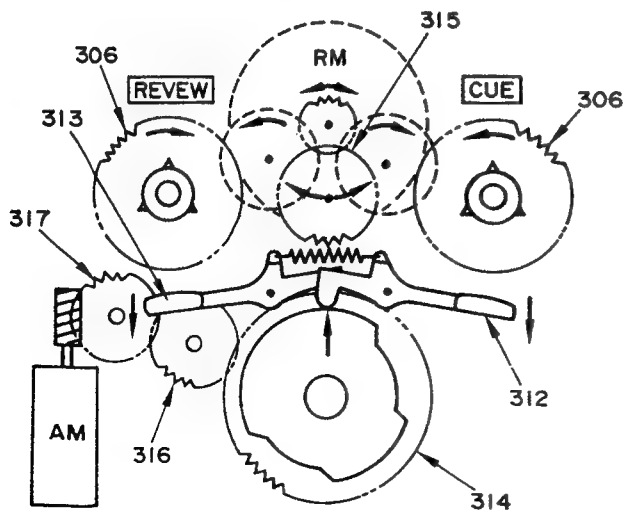
Fast forward/rewind

1. The assist motor rotates the cam gear, and the brake assembly is disengaged from the takeup and supply reels. The head chassis is not lifted, and the pinch roller and head do not contact the tape.
2. The reel motor starts running in the fast forward or rewind directions to wind the tape forward or in reverse.



Cue/review

1. The assist motor runs, the cam gear turns, and the head chassis is raised. The pinch roller is also raised, but is not pressed against the capstan. The head contacts the tape.
2. The reel motor runs in the cue and review directions. When the motor runs in the cue direction, the takeup reel is turned by the idler gear; when the motor runs in the review direction, the supply reel turns to wind the tape.

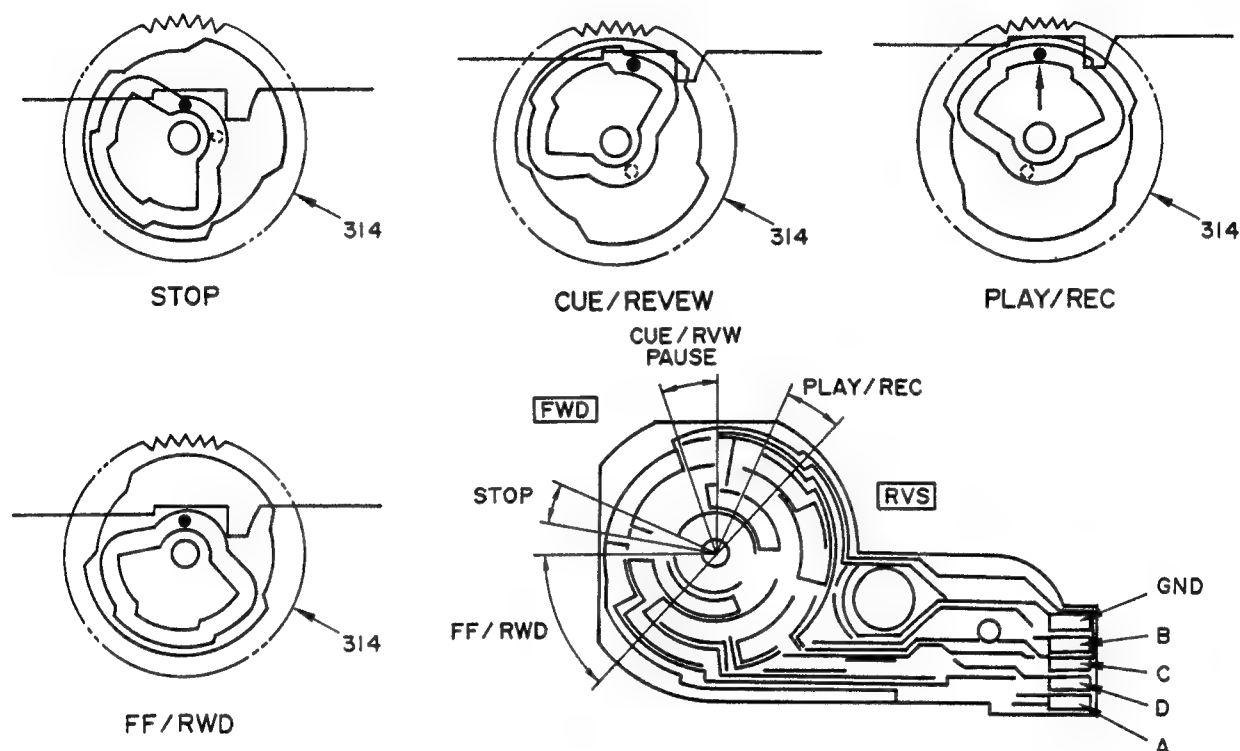


MECHANISM DESCRIPTION

Rotary switch operation

The operation of the mechanism is determined by the position of the rotary switch on the cam gear. Data on rotary switches A to D is input to the micropocessor to control

the assist motor, turn the cam gear, and control the head position and the brake assembly.



Rotary switch cam flow

Rotary switch cam flow															
Direction		RVS (unused)						FWD							
Mode		PLAY		PAUSE CUE REV		STOP		FF/RWD	FF/RWD		STOP		PAUSE CUE REV		PLAY
Cam angle		20°	24°	18°	46°	14.5°	11°	46.5°	46.3°	11°	14.5°	46°	18°	24°	20°
Rotary switch	A	H							(L)		(L)				
	L												(H)		(H)
	B	H							(L)		(H)		(H)		(L)
	L														
	C	H							(H)		(L)		(H)		(L)
	L														
	D	H							(H)		(H)		(H)		(H)
	L														
Head base position (approximate)	PLAY														
	PAUSE														
	STOP														

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	CASSETTE TAPE DECK SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified; each switch could be set as follows: TAPE: NORMAL, DOLBY.: OFF, INPUT: LINE I. Cassette mechanism section (REC/PB head adjustment)							0 dBs = 0.775 V
[1]	Demagnetization and cleaning	—	—	Power OFF, demagnetization, cleaning play	REC/PB head, erase head, capstan, pinch roller	Demagnetize the REC/PB head by head eraser. Clean the REC/PB head, erase head, capstan and pinch roller with a cotton swab immersed in alcohol.	
[2]	REC/PB head azimuth	MTT-114, TCC-153 10 kHz, -10 dB SCC-1727	(B)	PLAY	Azimuth adjustment screw	In a setting where the output is maximized, adjust the azimuth adjustment screw so that the Lissajous figure appearing on the oscilloscope screen comes near to a line slanted 45°. Note: The head should be installed in such a manner that it approaches the tape face.	(a)
[3]	Tape speed	MTT-111, TCC-100 SCC-1727 3 kHz, -4 dB	(B)	PLAY	※ Semi-fixed resistor in DC motor assembly	Adjust so that frequency is 3 kHz at the center of the tape.	(b)
II. PC board adjustment (X26-125X-XX)							
<1>	Playback level	MTT-150 400 Hz	(B)	PLAY	VR1 (L) VR2 (R)	Adjust so that LINE OUT is -1.2 dBs.	
		MTT-256 SCC-1727 315 Hz				Adjust so that LINE OUT is -4.0 dBs.	
		MTT-256U, TCC-160 315 Hz				Adjust so that LINE OUT is 0 dBs.	
<2>	Bias current	(A) 1 kHz, -30 dBs 10 kHz, -30 dBs	(B)	Adjust the REC VR (LEVEL, BALANCE) so that the REC monitor output is -24 dBs at 1 kHz, and record and playback 1 kHz and 10 kHz alternately.	VR31(L) VR32(R)	Record 1 kHz and 10 kHz alternately, and adjust each bias current adjustment VR so that the 10 kHz play back level is +0.5 dBs against 1 kHz.	
<3>	FL meter 0 dB	(A) 1 kHz, -10 dBs	—	Adjust the REC VR (LEVEL, BALANCE) so that the REC PAUSE monitor output is -4 dBs at 1 kHz.	VR95(R)	Adjust so that "0 dB" lights.	
Note: On item <1> in "II. PC board adjustment"							
Although 3 kinds of tapes are set forth for the playback level adjustment, the use of one tape suffices for adjustment. Here is meant no necessity for the use of all these 3 kinds of tapes. Other than the abovementioned tapes, when a test tape equal in magnetic flux and frequency is available, the adjustment is feasible with this test tape by making the playback output suited to the specified output level of this tape in agreement with the adjustment method.							

※ For your safety, remove the MECHANISM Assy with FRONT PANEL & PCB when you adjust tape speed.

REGLAGE

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU MAGNETOPHONE A CASSETTE	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
Chaque commutateur doit être réglé comme suit, à moins d'indication contraire. TAPE: NORMAL, DOLBY: OFF, INPUT: LINE I. Section de mécanisme de la cassette (ajustement de la tête d'enregistrement/lecture)							0 dBs = 0,775 V
[1]	Démagnétisation et nettoyage	—	—	Alimentation coupée, démagnétisation, nettoyage, lecture	Tête d'enregistrement/lecture, tête d'effacement, cabestan, galet presseur	Démagnétiser la tête d'enregistrement/lecture avec l'effaceur de tête. Nettoyer la tête d'enregistrement/lecture, la tête d'effacement, le cabestan et le galet presseur avec un coton-tige trempé dans de l'alcool.	
[2]	Azimut de la tête d'enregistrement/lecture	SCC-1727 MTT-114, TCC-153 10 kHz, -10 dB	(B)	PLAY	Vis d'ajustement de l'azimut	Au réglage où la sortie est maximisée, ajuster la vis de réglage de l'azimut pour que la figure de Lissajous sur l'écran de l'oscilloscope soit proche d'une ligne inclinée sur 45°. Remarque: La tête doit être installée de manière à ce qu'elle s'approche de la face de la bande.	(a)
[3]	Vitesse de la bande	SCC-1727 MTT-111. TCC-100 3 kHz, -4 dB	(B)	PLAY	Résistance semi-fixe dans l'ensemble du moteur CC.	Ajuster pour que la fréquence soit, 3 kHz au centre de la bande.	(b)
II. Ajustement de la plaquette de circuits imprimés (X26-125X-XX)							
<1>	Niveau de lecture	MTT-150 400 Hz	(B)	PLAY	VR1 (L) VR2 (R)	Ajuster pour que LINE OUT soit -1,2 dBs.	
		MTT-256, SCC-1727 315 Hz				Ajuster pour que LINE OUT soit -4,0 dBs.	
		MTT-256U, TCC-160 315 Hz				Ajuster pour que LINE OUT soit 0 dBs.	
<2>	Courant de polarisation	(A) 1 kHz, -30 dBs 10 kHz, -30 dBs	(B)	Ajuster la VR REC (LEVEL, BALANCE) pour que la sortie de contrôle REC soit -24 dBs à 1 kHz et l'enregistrement et la lecture 1 kHz et 10 kHz alternativement.	VR31(L) VR32(R)	Enregistrer 1 kHz et 10 kHz alternativement et ajuster chaque VR d'ajustement de courant de polarisation pour que le niveau de lecture 10 kHz soit +0,5 dBs contre 1.	
<3>	Compteur fluorescent 0 dB	(A) 1 kHz, -10 dBs	—	Ajuster la VR REC (LEVEL, BALANCE) pour que la sortie de contrôle REC PAUSE soit -4 dBs à 1 kHz.	VR95(R)	Ajuster pour que "0 dB" s'allume.	
Remarque: Sur le paragraphe <1> de II. Ajustement de la plaque de circuits imprimés. Bien que 3 sortes de bandes soient employées pour l'ajustement du niveau de lecture, l'utilisation d'une bande suffit pour l'ajustement. En plus des bandes citées ci-dessus, quand une bande test de flux magnétique et de fréquence égaux est disponible, l'ajustement est possible en réglant la sortie de lecture sur le niveau de sortie spécifique à cette bande, selon la méthode d'ajustement.							

※ Pour des raisons de sécurité, déposer le mécanisme avec le panneau avant et le PCB pour régler la vitesse de la bande.

ABGLEICH

NR	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	KASSETTENGERÄT-EINSTELLUNG	ABGLEICH PUNKTE	ABGLEICHEN FÜR	ABB.
Falls nicht anders angegeben, müssen die einzelnen Schalter wie folgt eingestellt sein: TAPE: NORMAL, DOLBY: OFF, INPUT: LINE I. Kassettenmechanismus-Abschnitt (Aufnahme/Wiedergabekopf-Einstellung)							0 dBs = 0,775 V
[1]	Entmagnetisierung und Reinigung	—	—	Spannungsversorgung aus, Entmagnetisierung, Reinigung, Wiedergabe	Aufnahme/Wiedergabekopf, Löschkopf, Tonwelle, Andruckrolle	Den Aufnahme/Wiedergabekopf mit einem Entmagnetisierer entmagnetisieren. Den Aufnahme/Wiedergabekopf, den Löschkopf, die Tonwelle und die Andruckrolle mit einem in Alkohol eingetauchten Wattestäbchen reinigen.	
[2]	Aufnahme/Wiedergabekopf-Azimet	SCC-1727 MTT-114, TCC-153 10 kHz, -10 dB	(B)	PLAY	Azimet-Einstellschraube	Bei der Einstellung, bei der der Ausgang maximal ist, so einstellen, daß die auf die Azimet-Einstellschraube dem Oszilloskop-Bildschirm erscheinende Lissajousfigur nahe einer um 45° geneigten Linie kommt. Hinweis: Der Tonkopf muß so installiert sein, daß er zum Band weist.	(a)
[3]	Bandgeschwindigkeit	SCC-1727 MTT-111, TCC-100 3 kHz, -4 dB	(B)	PLAY	semi-fester Widerstand in der Gleichstrommotor-Einheit	So einstellen, daß die Frequenz in der Mitte des Bandes 3 kHz beträgt.	(b)
II. Platinen-Einstellung (X26-125X-XX)							
<1>	Wiedergabepegel	MTT-150 400 Hz MTT-256, SCC-1727 315 Hz MTT-256U, TCC-160 315 Hz	(B)	PLAY	VR1 (L) VR2 (R)	So einstellen, daß LINE OUT -1,2 dBs beträgt. So einstellen, daß LINE OUT -4,0 dBs beträgt. So einstellen, daß LINE OUT 0 dBs beträgt.	
<2>	Vormagnetisierungsstrom	(A) 1 kHz, -30 dBs 10 kHz, -30 dBs	(B)	Den REC-Regelwiderstand (LEVEL, BALANCE) so einstellen, daß der REC-Überwachungsausgang -24 dBs bei 1 kHz beträgt, und 1 kHz und 10 kHz abwechselnd aufnehmen und wiedergeben.	VR31(L) VR32(R)	1 kHz und 10 kHz abwechselnd aufnehmen und jeden Vormagnetisierungsstrom-Einstellungs-Regelwiderstand so einstellen, daß der 10-kHz-Wiedergabepegel +0,5 dB gegen 1 kHz beträgt.	
<3>	FL-Meter 0 dB	(A) 1 kHz, -10 dBs	—	Den REC-Regelwiderstand (LEVEL, BALANCE) so einstellen, daß der REC PAUSE-Überwachungsausgang -4 dBs bei 1 kHz beträgt.	VR95(R)	So einstellen, daß "0 dB" leuchtet.	
Hinweis: Zu Punkt <1> in "II. Platinen-Einstellung"							
Obwohl 3 Arten von Bändern für die Wiedergabepegel-Einstellung vorgegeben sind, reicht die Verwendung eines Bandes für die Einstellung aus. Das bedeutet, daß nicht alle 3 Arten Bänder verwendet werden brauchen. Wenn ein anderes Testband als die oben angeführten Bänder mit gleichen magnetischen Fluß und gleicher Frequenz verfügbar ist, kann die Einstellung mit diesem Testband durchgeführt werden, indem der Wiedergabe-Ausgang für den spezifizierten Ausgangspegel dieses Bandes in Übereinstimmung mit der Einstellmethode passend gemacht wird.							

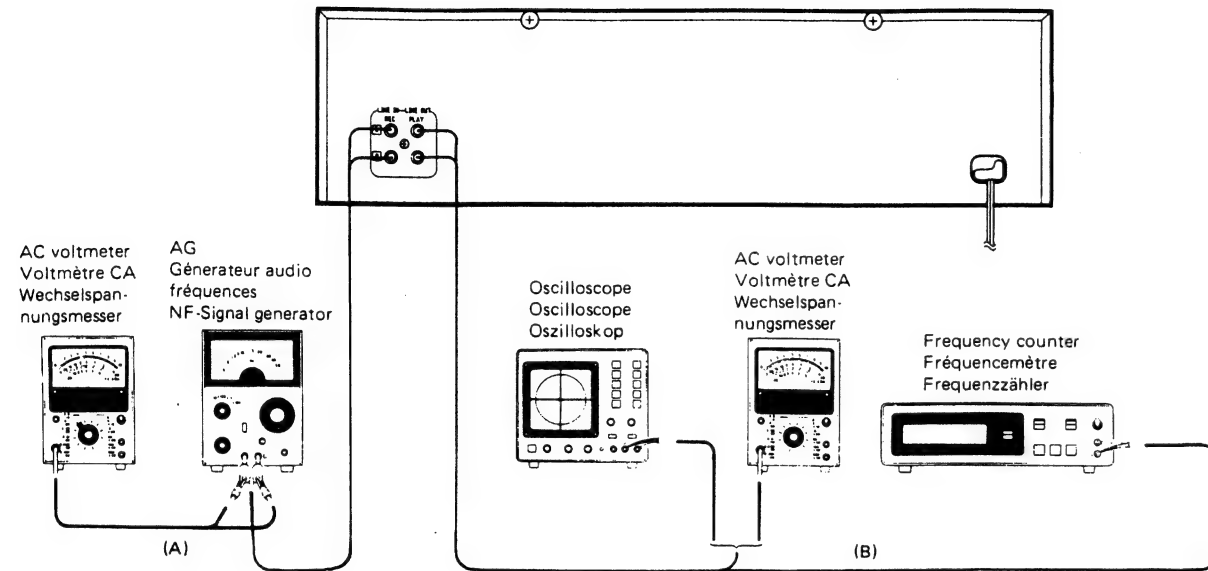
※ Zu Ihrer Sicherheit sollten Sie zum Einstellen der Bandgeschwindigkeit die Laufwerk-Baugruppe zusammen mit der Frontplatte und der Leiterplatte entfernen.

KX-5030

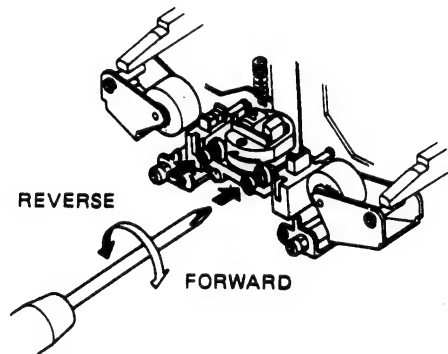
KX-5030

ADJUSTMENT/REGLAGE/ABGLEICH

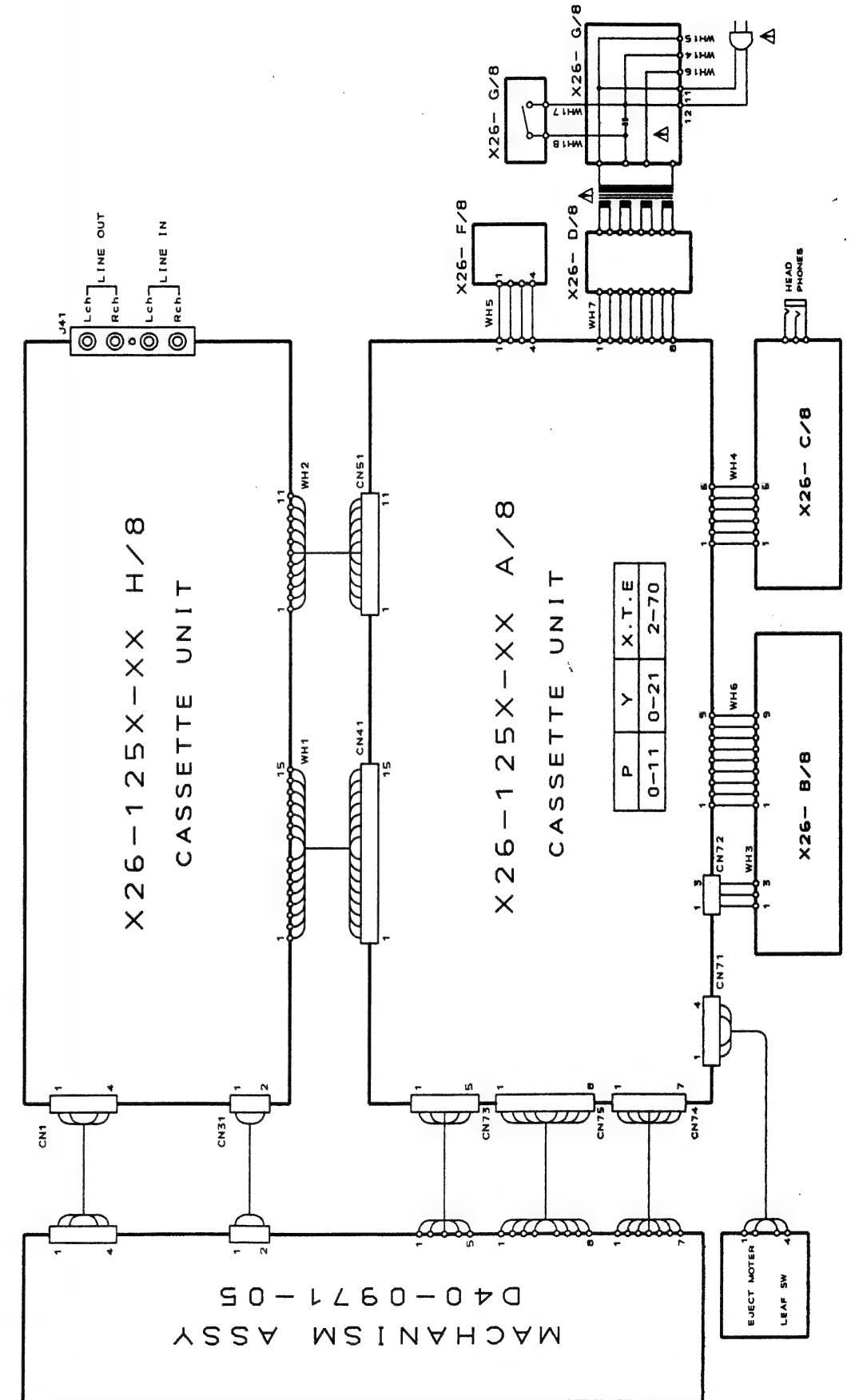
Measurement Equipment Connections:



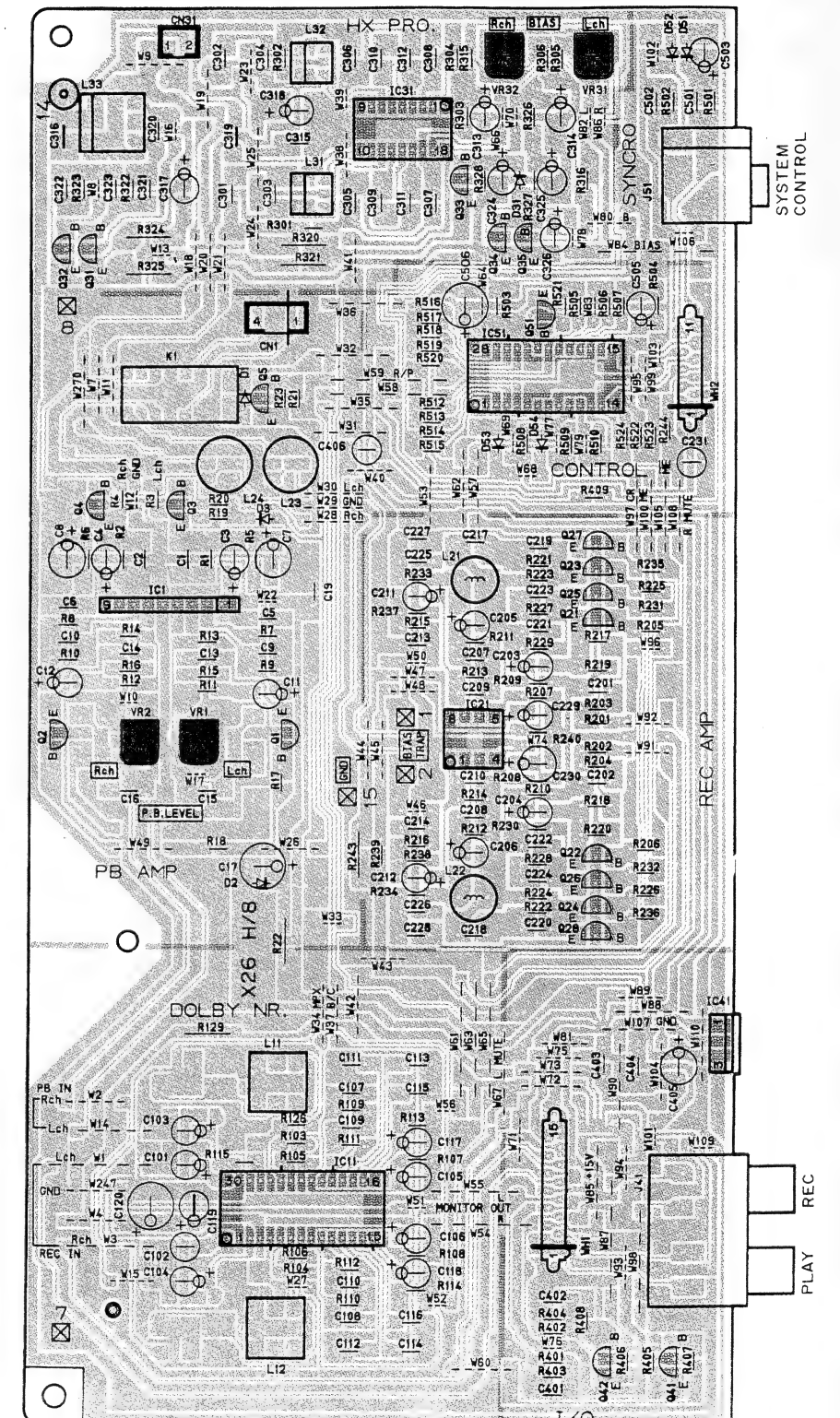
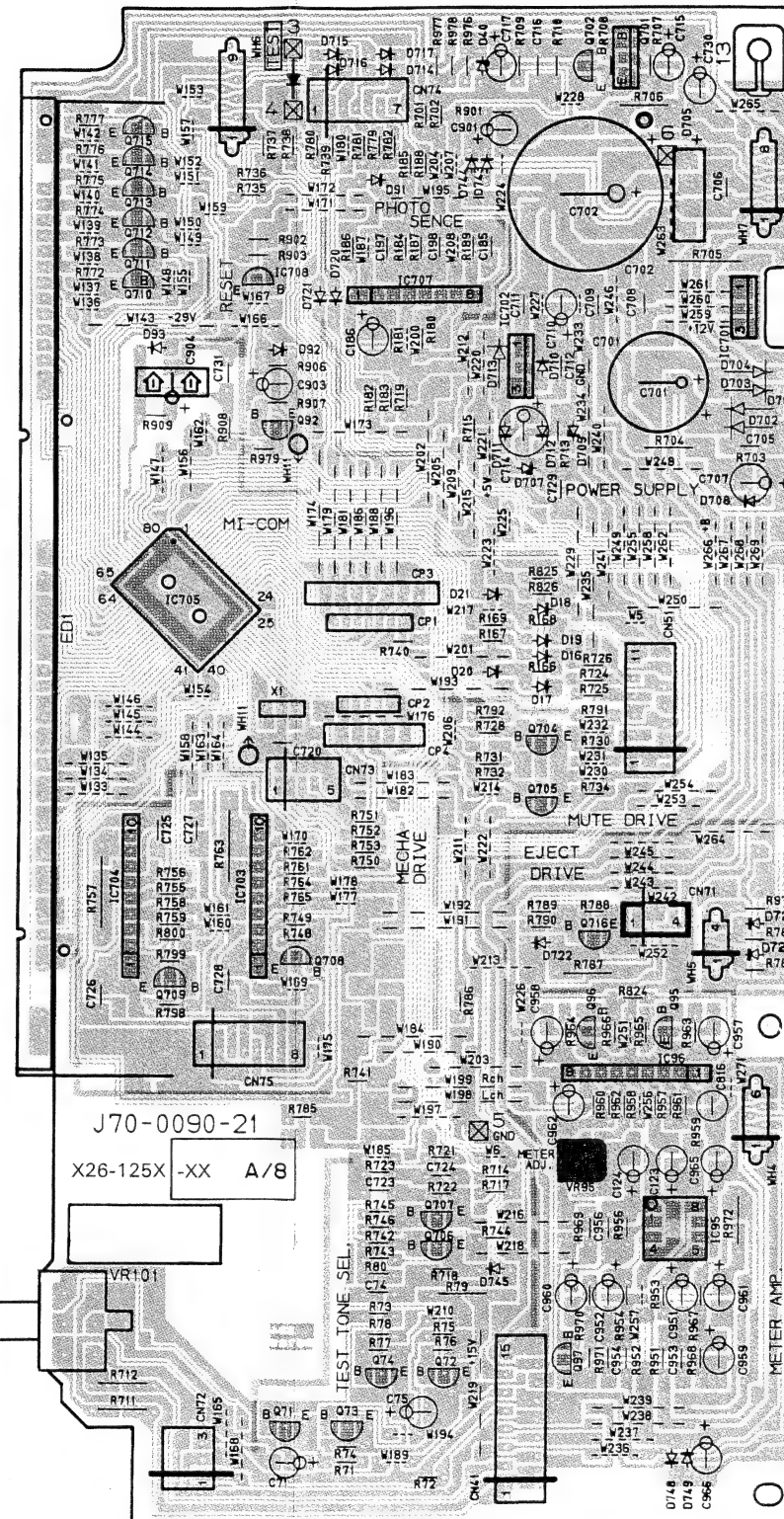
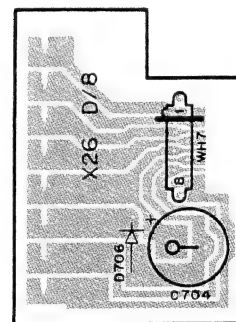
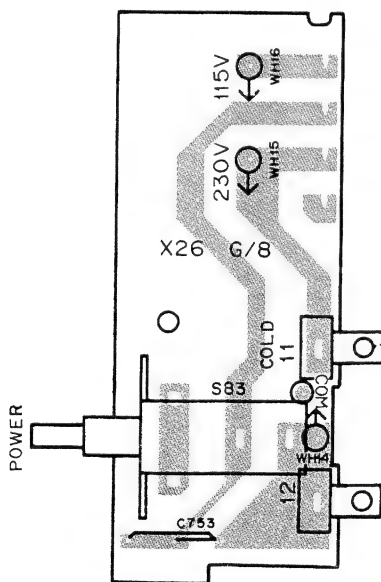
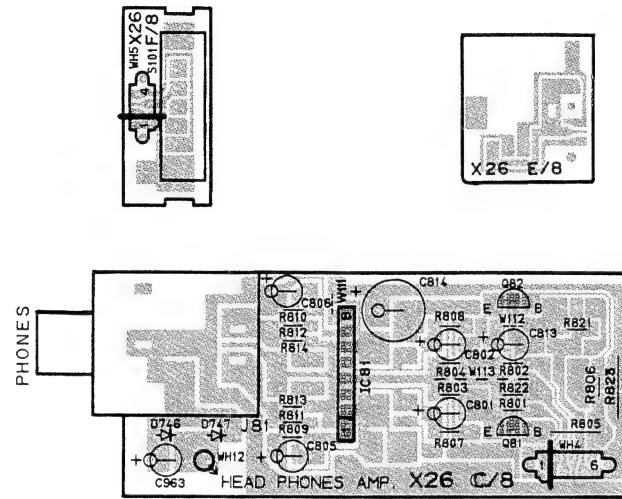
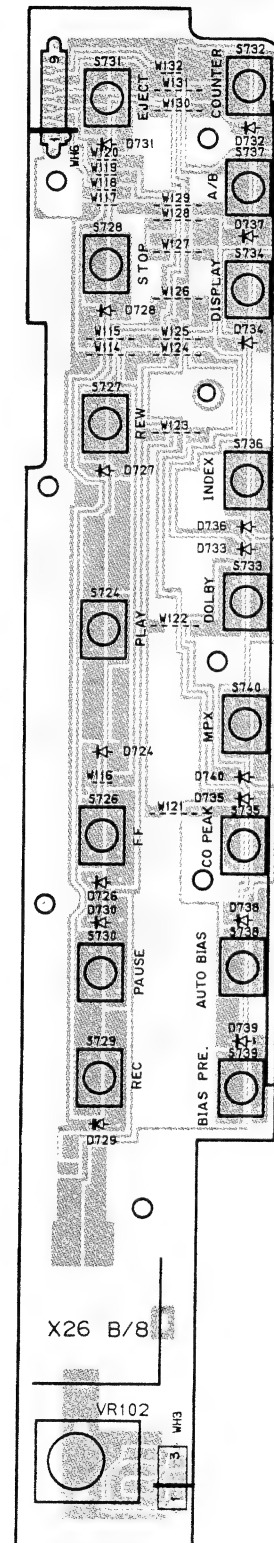
(a) Azimuth adjustment



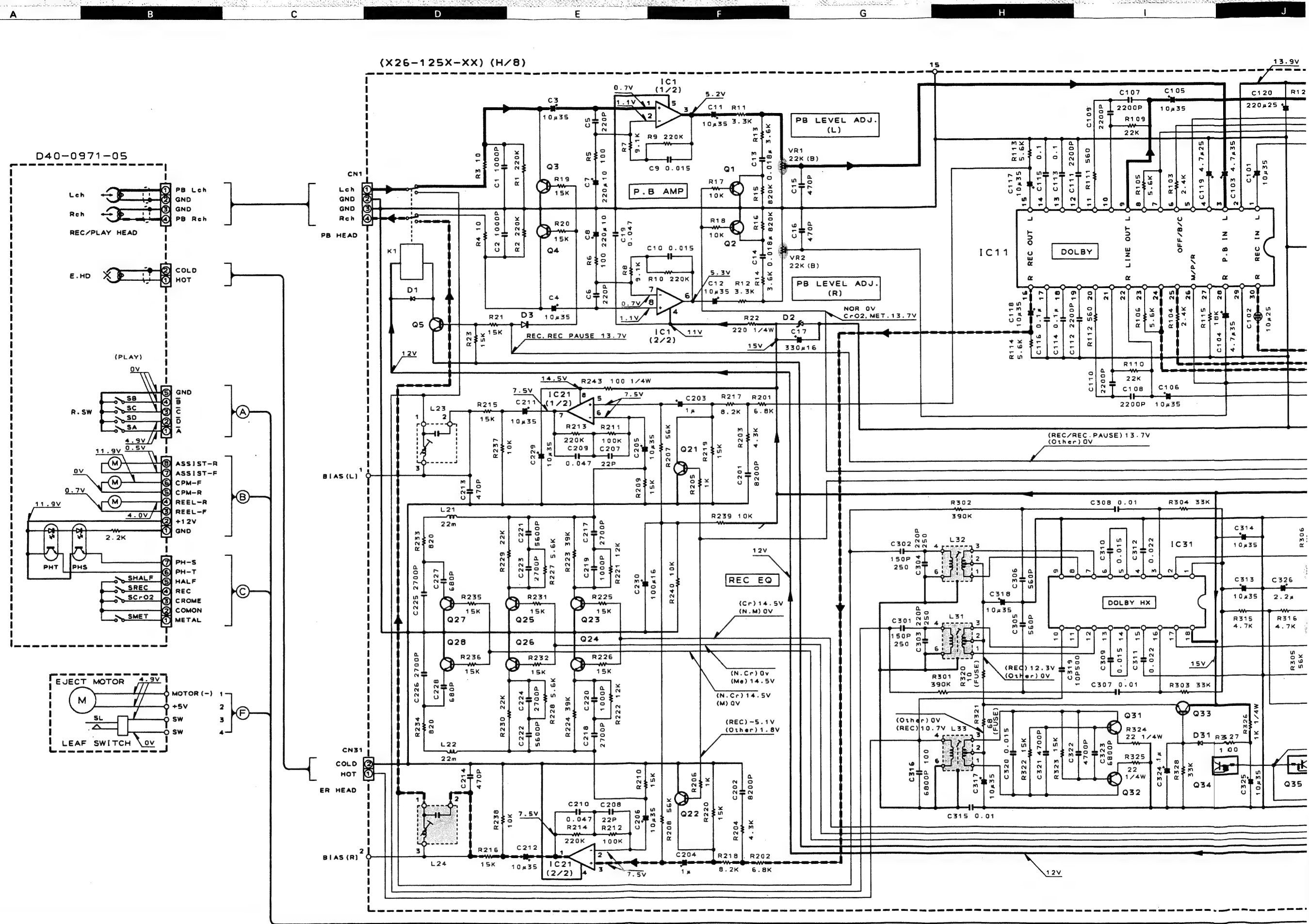
WIRING DIAGRAM

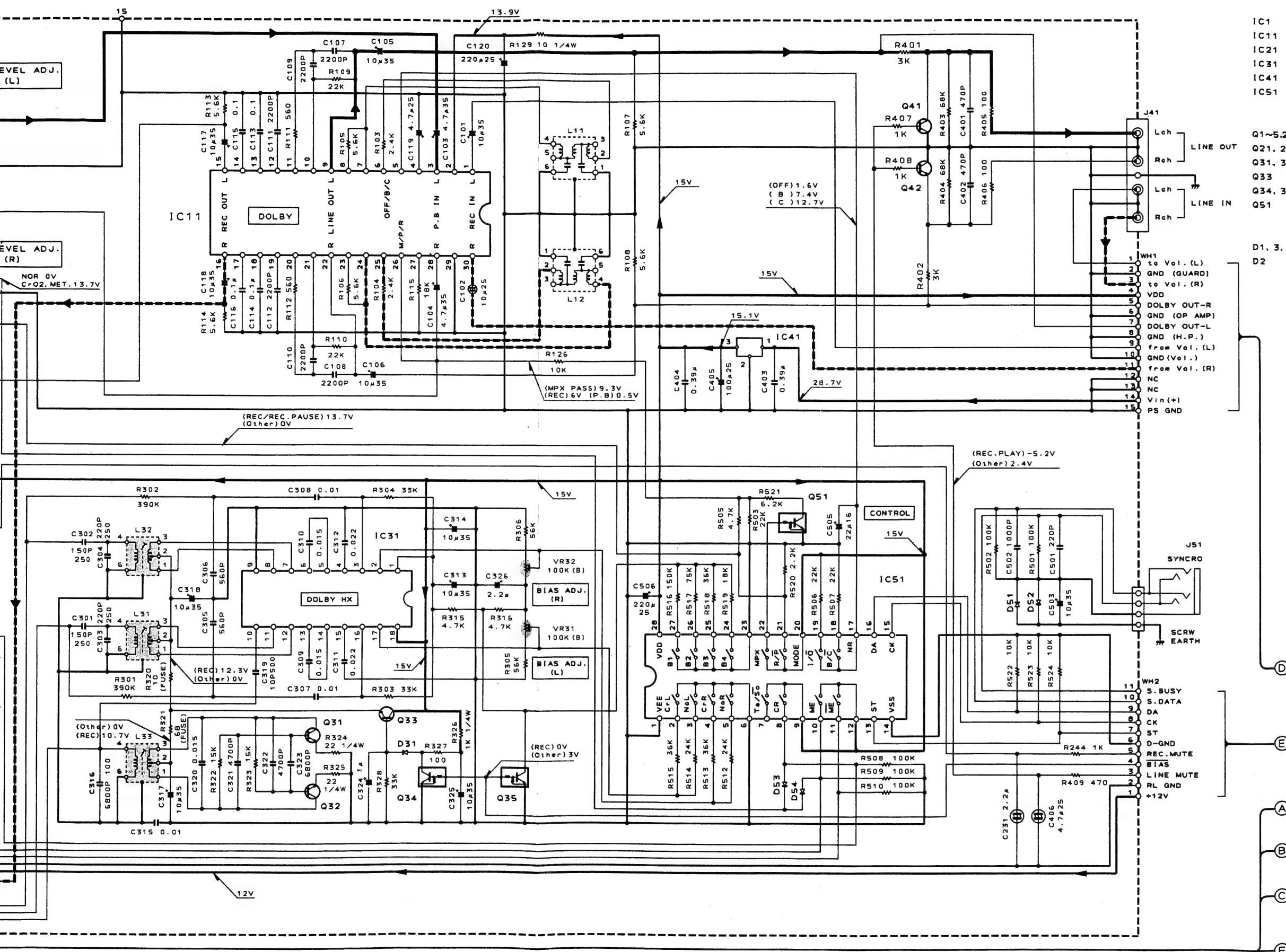


PC BOARD



Refer to the schematic diagram for the values of resistors and capacitors.





- IC1 : TA8125S
 IC11 : HA12170NT
 IC21 : RC4565D-D or NJM4565D-D
 IC31 : μ PC1297CA
 IC41 : μ PC7815HF or TA7815S
 IC51 : TC9164N
- Q1~5,23~28, 31, 32: 2SC3311A (Q, R) or 2SC17405 (Q, R)
 Q21, 22, 41, 42 : 2SD1302 (S, T)
 Q31, 32 : 2SD863 (E, F)
 Q33 : 2SC3940A (R, S)
 Q34, 35 : UN4219 or DTC113ZS
 Q51 : UN4212 or DTC124ES
- D1, 3, 31, 51~54 : 1SS133 or HSS104
 D2 : RD11ES (B2) or HZS11N (B2)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurement shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

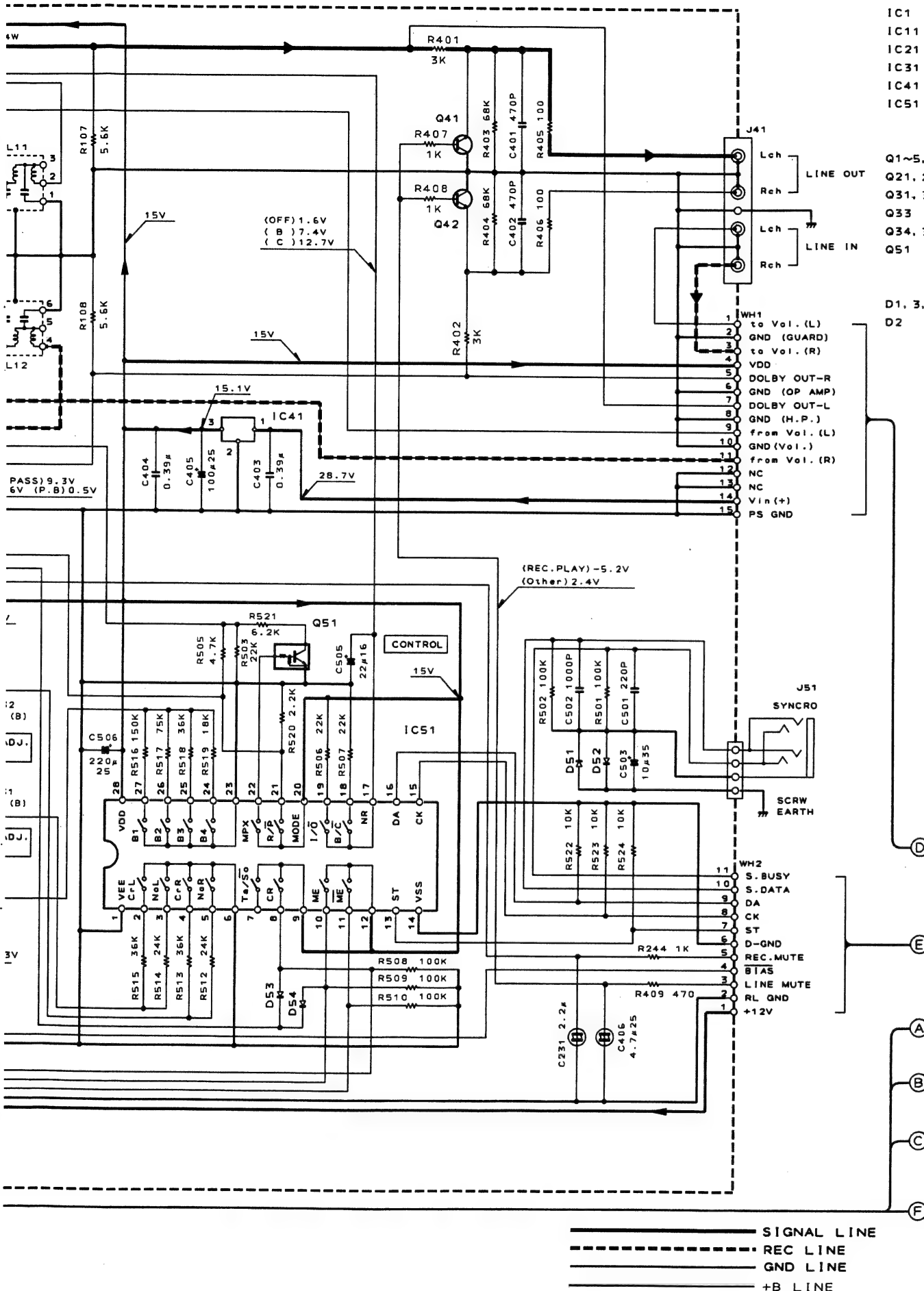
DC voltages are as measured with a high impedance voltmeter with a cassette loaded at playback mode. Values may vary slightly due to variations between individual instruments or/and units. Bias circuit DC voltages are as measured while in the record mode.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance, une cassette étant insérée en mode de lecture. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Les tensions c.c. du circuit de polarité doivent être mesurées, l'appareil étant en mode d'enregistrement.

Die angegebenen Gleichspannungswerte wurden bei eingesetzter Cassette in der Wiedergabe mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die angegebenen Gleichspannungswerte der Vormagnetisierungsschaltung wurden in der Aufnahme-Betriebsart gemessen.

- SIGNAL LINE
 - - - REC LINE
 . . . GND LINE
 - . +B LINE



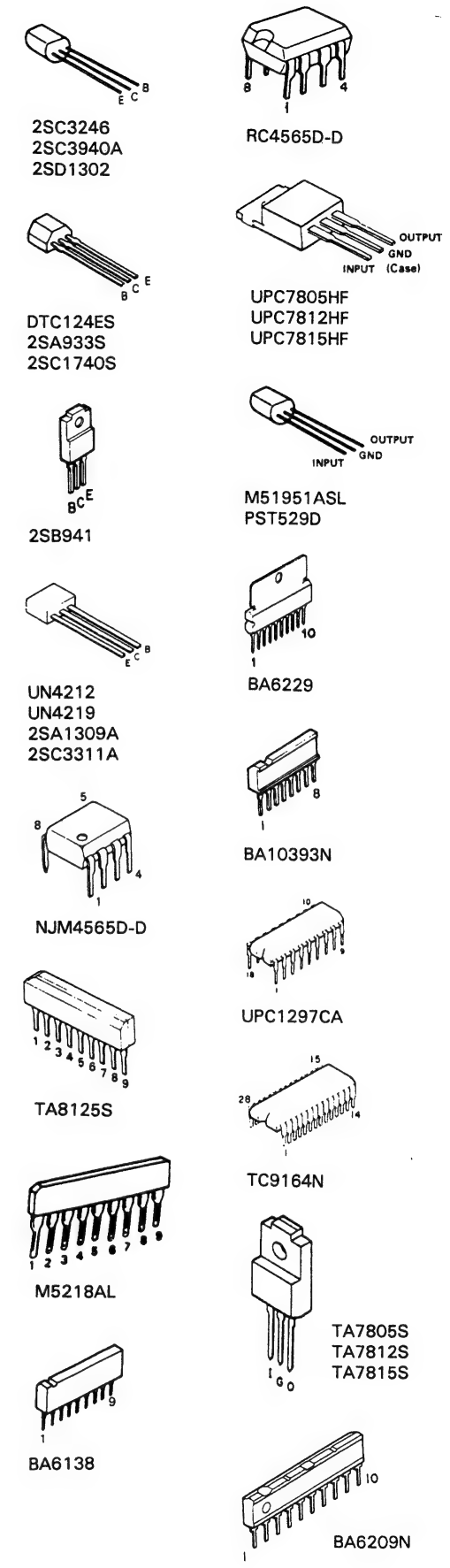
- IC1 :TA8125S
 IC11 :HA12170NT
 IC21 :RC4565D-D or NJM4565D-D
 IC31 :PC1297CA
 IC41 :PC7815HF or TA7815S
 IC51 :TC9164N
- Q1~5,23~28, 31, 32: 2SC3311A (Q, R) or 2SC17405 (Q, R)
 Q21, 22, 41, 42 : 2SD1302 (S, T)
 Q31, 32 : 2SD863 (E, F)
 Q33 : 2SC3940A (R, S)
 Q34, 35 : UN4219 or DTC113ZS
 Q51 : UN4212 or DTC124ES
- D1, 3, 31, 51~54 : 1SS133 or HSS104
 D2 : RD11ES (B2) or HZS11N (B2)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). **⚠** Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter with a cassette loaded at playback mode. Values may vary slightly due to variations between individual instruments or/and units. Bias circuit DC voltages are as measured while in the record mode.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance, une cassette étant insérée en mode du lecture. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
 Les tensions c.c. du circuit de polarité doivent être mesurées, l'appareil étant en mode d'enregistrement.

Die angegebenen Gleichspannungswerte wurden bei eingesetzter Cassette in der Wiedergabe mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die angegebenen Gleichspannungswerte der Vormagnetisierungsschaltung wurden in der Aufnahme-Betriebsart gemessen.



U

V

W

X

Y

Z

AA

AB

AC

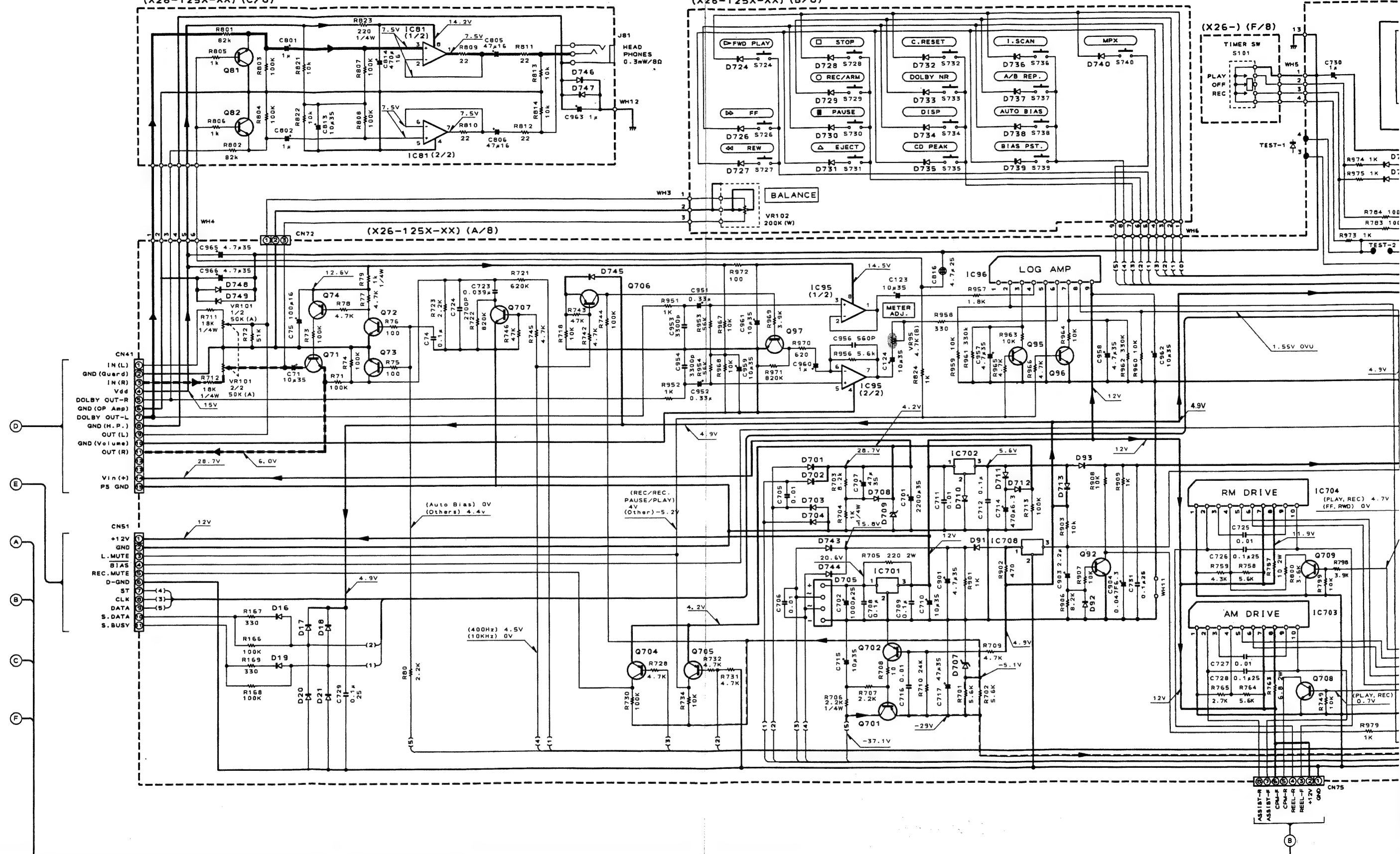
AD

(X26-125X-XX) (C/B)

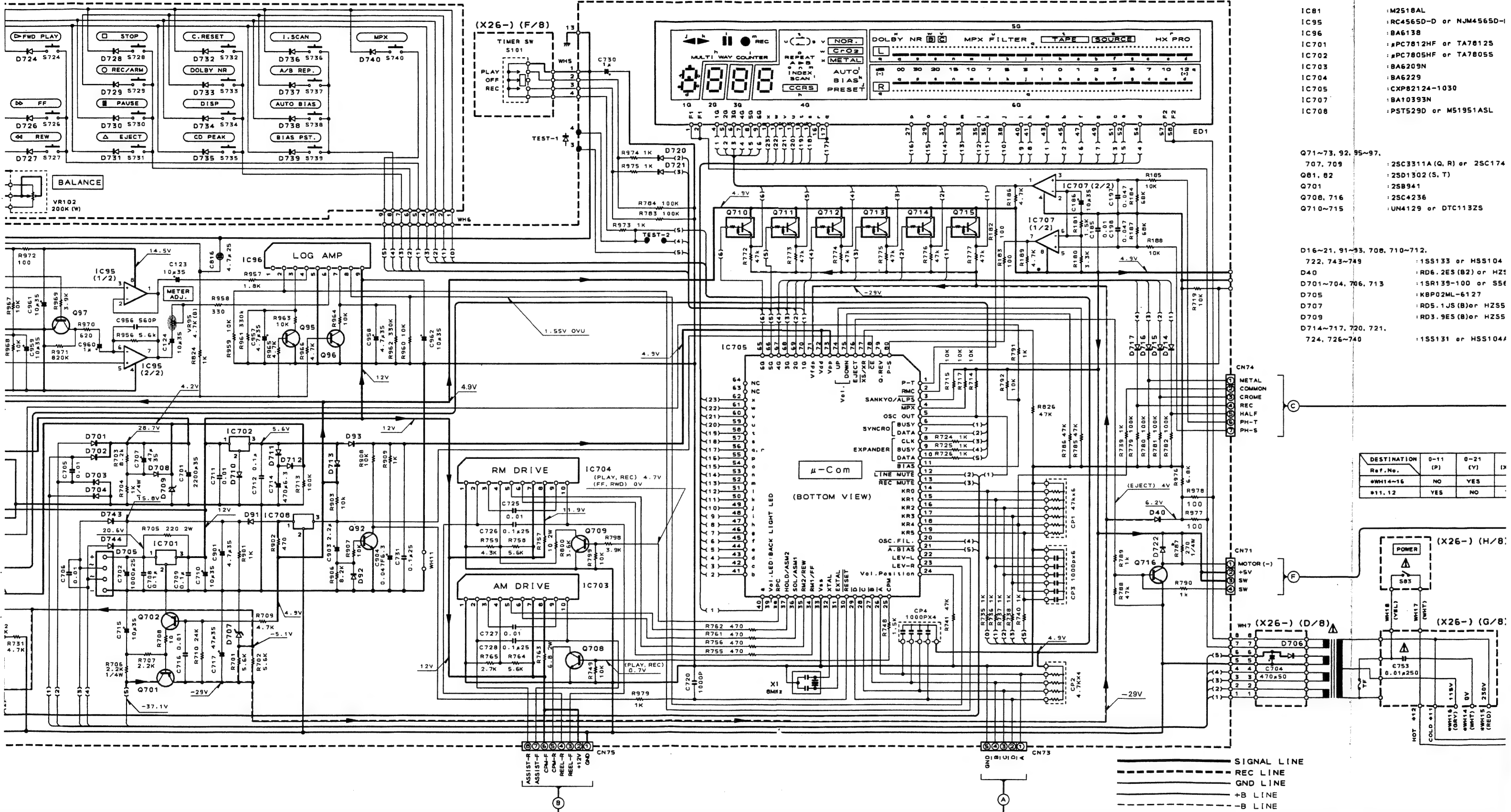
(X26-125X-XX) (B/B)

(X26-) (F/B)

(X26-125X-XX) (A/B)



3-125X-XX) (B/8)

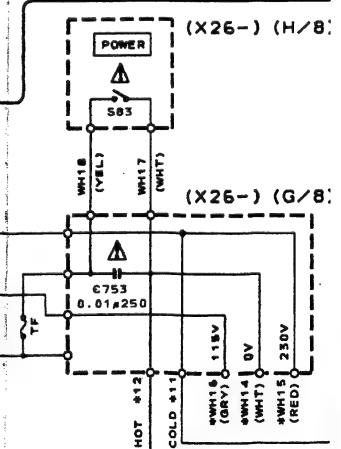


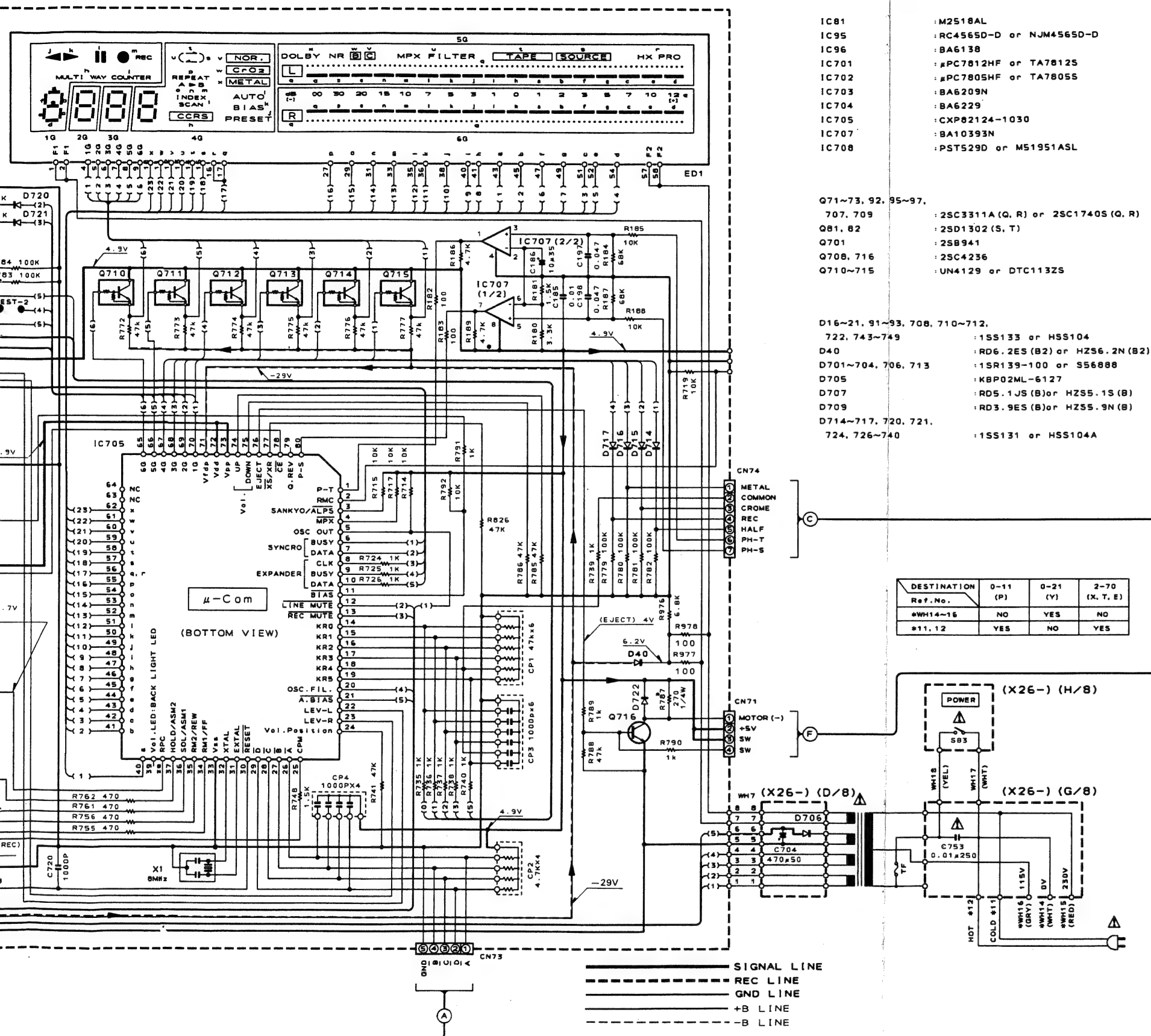
- IC81 :M2518AL
IC95 :RC4565D-D or NJM4565D-I
IC96 :BA6138
IC701 :PC7812HF or TA78125
IC702 :PC7805HF or TA78055
IC703 :BA6209N
IC704 :BA6229
IC705 :CXP82124-1030
IC707 :BA10393N
IC708 :PST529D or M51951ASL

- Q71~73, 92, 95~97, :2SC3311A (Q, R) or 2SC174
707, 709 :2SD1302 (S, T)
Q81, 82 :2SB941
Q708, 716 :2SC4236
Q710~715 :UN4129 or DTC113ZS

- D16~21, 91~93, 708, 710~712, :1SS133 or HSS104
722, 743~749 :RD6.2E5 (B2) or HZ5
D40 :1SR139-100 or S5E
D701~704, 706, 713 :KBP02ML-6127
D705 :RD5.1JS (B) or HZ55
D707 :RD3.9E5 (B) or HZ55
D714~717, 720, 721, :1SS131 or HSS104
724, 726~740

DESTINATION	0-11	0-21	IX
Ref. No.	(P)	(Y)	
WH14-15	NO	YES	
WH11, 12	YES	NO	





IC81	:M2518AL
IC95	:RC4565D-D or NJM4565D-D
IC96	:BA6138
IC701	:#PC7812HF or TA7812S
IC702	:#PC7805HF or TA7805S
IC703	:BA6209N
IC704	:BA6229
IC705	:CXP82124-1030
IC707	:BA10393N
IC708	:PST529D or M51951ASL

Q71~73, 92, 95~97, : 2SC3311A (Q, R) or 2SC1740S (Q, R)
707, 709 : 2SD1302 (S, T)
Q81, 82 : 2SB941
Q701 : 2SC4236
Q708, 716 : UN4129 or DTC113ZS
Q710~715

D16~21, 91~93, 708, 710~712,
722, 743~749 : 1S5133 or HSS104
D40 : RD6, 2E5 (B2) or HZ56, 2N (B2)
D701~704, 706, 713 : 1SR139-100 or S56888
D705 : KBP02ML-6127
D707 : RD5, 1JS (B) or HZ55, 1S (B)
D709 : RD3, 9E5 (B) or HZ55, 9N (B)
D714~717, 720, 721,
724, 726~740 : 1S5131 or HSS104A

DESTINATION Ref. No.	0-11 (P)	0-21 (Y)	2-70 (X, T, E)
*WH14-15	NO	YES	NO
*11, 12	YES	NO	YES

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter with a cassette loaded at playback mode. Values may vary slightly due to variations between individual instruments or/and units. Bias circuit DC voltages are as measured while in the record mode.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance, une cassette étant insérée en mode de lecture. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

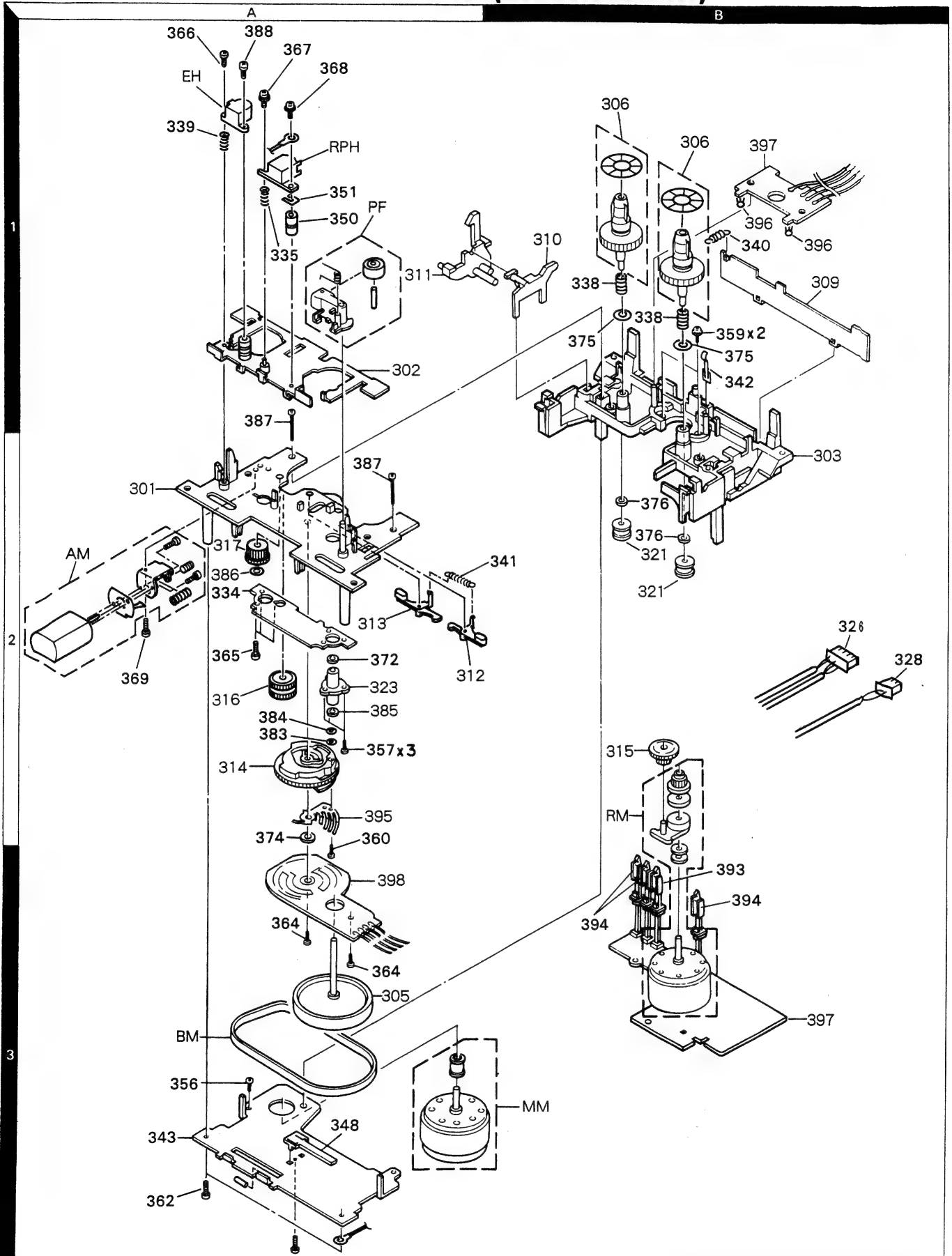
Les tensions c.c. du circuit de polarité doivent être mesurées, l'appareil étant en mode d'enregistrement.

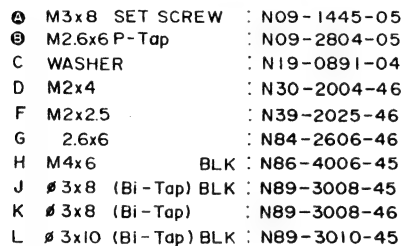
Die angegebenen Gleichspannungswerte wurden bei eingesetzter Cassette in der Wiedergabe mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die angegebenen Gleichspannungswerte der Vormagnetisierungsschaltung wurden in der Aufnahme-Betriebsart gemessen.

Y26-3262-70

KX-5030
KENWOOD

EXPLODED VIEW (MECHANISM)





* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

No.1

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
KX-5030						
601	1C	*	A01-1943-01	METALLIC CABINET		
602	1D, 2D	*	A22-1482-02	SUB PANEL ASSY		
603	2C	*	A53-1287-03	CASSETTE HOLDER ASSY		
604	2C	*	A53-1290-03	CASSETTE LID		
605	2C	*	A60-0056-02	PANEL		
608	2C, 2D	*	B03-2712-03	DRESSING PLATE (PANEL)		
609	2C	*	B03-2713-03	DRESSING PLATE (CASSETTE)		
610	1D, 2D	*	B10-1847-03	FRONT GLASS		
611	1E		B03-1691-04	DRESSING SEAL		
615	2C		B43-0287-04	KENWOOD BADGE		
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	X	
-			B46-0096-23	WARRANTY CARD	P	
-			B46-0121-03	WARRANTY CARD	E	
-			B46-0122-13	WARRANTY CARD		
-			B46-0143-13	WARRANTY CARD	T	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-		*	B60-0411-00	INSTRUCTION MANUAL (ENGLISH)		
-		*	B60-0412-00	INSTRUCTION MANUAL (FRENCH)	EP	
-		*	B60-0414-00	INSTRUCTION MANUAL (GE, DU, IA)	E	
616	1D		D13-0282-04	WORM		
617	1D	*	D13-0918-03	GEAR		
618	1D	*	D21-1648-03	EXTENSION SHAFT		
619	1D		D39-0176-05	DAMPER		
△ 620	1E		E03-0102-25	AC INLET	Y	
△ 623	1E		E30-0181-05	AC POWER CORD	P	
△ 623	1E		E30-0459-05	AC POWER CORD	E	
△ 623	1E		E30-1341-05	AC POWER CORD	X	
△ 623	1E		E30-1416-05	AC POWER CORD	T	
624	1C		E30-0505-05	AUDIO CORD		
△ 625	1C		E30-0977-05	CORD WITH PLUG	PYX	
626	1D, 1E		E30-1305-15	AC POWER CORD (INLET)	Y	
630	2C		G01-2288-04	COMPRESSION SPRING		
631	2C	*	G01-3351-04	TORSION COIL SPRING		
633	1D		G02-0937-04	FLAT SPRING		
635	1C, 2C	*	G11-0185-04	SOFT TAPE		
-		*	H50-0046-04	ITEM CARTON CASE		
-		*	H10-5115-12	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-5116-12	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0330-04	PROTECTION BAG		
640	2C, 2E		J02-1034-05	FOOT		
641	2C		J11-0140-04	CLAMPER ASSY		
△ 642	1D	*	J21-5710-15	MOUNTING HARDWARE ASSY (EJECT)		
643	1E		J42-0083-05	POWER CORD BUSHING	EPXT	
-			J61-0307-05	WIRE BAND		
645	1D		K29-3835-04	KNØB POWER (K29-4180-04 ASSY)		
646	2C		K29-4010-04	KNØB REC BALANCE		
647	2D	*	K29-4150-03	KNØB TAPE CONTROL		
649	2D	*	K29-4152-04	KNØB REC LEVEL		
650	1D	*	K29-4180-04	KNØB ASSY POWER		
△ 655	1E	*	L07-0296-05	POWER TRANSFORMER	P	

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△ indicates safety critical components.

Destination list

	JAPAN MADE
KX-5030	E, P, Y, X, T

Cassette unit

X26-1250-11	KX-5030P
X26-1250-21	KX-5030Y
X26-1252-70	KX-5030E, X, T

PARTS LIST

KX-5030

* New Parts

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Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

No.2

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
△ 655	1E	*	L07-0297-05	POWER TRANSFORMER	EXT	
655	1E	*	L07-0298-05	POWER TRANSFORMER	Y	
A	1C		N09-1445-05	SET SCREW (M3X8)		
B	1D		N09-2804-05	TAPPING SCREW (2.6X6)		
C	1D		N19-0891-04	FLAT WASHER		
D	1D		N30-2004-46	PAN HEAD MACHIN SCREW		
F	1D		N39-2025-46	PAN HEAD MACHIN SCREW		
G	1D		N84-2606-46	PAN HEAD TAPTITE SCREW		
H	1E		N86-4006-45	BINDING HEAD TAPTITE SCREW		
J	1C, 1E		N89-3008-45	BINDING HEAD TAPTITE SCREW		
K	1D		N89-3008-46	BINDING HEAD TAPTITE SCREW		
L	1D, 1E		N89-3010-45	BINDING HEAD TAPTITE SCREW		
N	1C		N09-2776-05	SET SCREW (M3X8)		
660	1D	*	S74-0001-05	LEAF SWITCH		
661	1D		T42-0567-05	DC MOTOR (EJECT)		
CASSETTE UNIT (X26-125X-XX)						
C1 ,2			CK45FB1H102K	CERAMIC 1000PF K		
C3 ,4			CE04KW1V100M	ELECTRØ 10UF 35WV		
C5 ,6			CC45FSL1H221J	CERAMIC 220PF J		
C7 ,8			CE04KW1A221M	ELECTRØ 220UF 10WV		
C9 ,10			CF92FV1H153J	MF 0.015UF J		
C11 ,12			CE04KW1V100M	ELECTRØ 10UF 35WV		
C13 ,14			CF92FV1H183J	MF 0.018UF J		
C15 ,16			CK45FB1H471K	CERAMIC 470PF K		
C17			CE04KW1C331M	ELECTRØ 330UF 16WV		
C19			CK45FF1H473Z	CERAMIC 0.047UF Z		
C71			CE04KW1V100M	ELECTRØ 10UF 35WV		
C74			CF92FV1H104J	MF 0.10UF J		
C75			CE04KW1C101M	ELECTRØ 100UF 16WV		
C101			CE04KW1V100M	ELECTRØ 10UF 35WV		
C102			C90-1332-05	NP-ELEC 10UF 25WV		
C103,104			CE04KW1V4R7M	ELECTRØ 4.7UF 35WV		
C105,106			CE04KW1V100M	ELECTRØ 10UF 35WV		
C107-112			CF92FV1H222J	MF 2200PF J		
C113-116			CF92FV1H104J	MF 0.10UF J		
C117,118			CE04KW1V100M	ELECTRØ 10UF 35WV		
C119		*	C90-1919-05	ELECTRØ 4.7UF 25WV		
C120			CE04KW1E221M	ELECTRØ 220UF 25WV		
C123,124			CE04KW1V100M	ELECTRØ 10UF 35WV		
C185			CK45FF1H103Z	CERAMIC 0.010UF Z		
C186			CE04KW1V100M	ELECTRØ 10UF 35WV		
C197,198			CK45FF1H473Z	CERAMIC 0.047UF Z		
C201,202			CF92FV1H822J	MF 8200PF J		
C203,204			CE04KW1H010M	ELECTRØ 1.0UF 50WV		
C205,206			CE04KW1V100M	ELECTRØ 10UF 35WV		
C207,208			CC45FSL1H220J	CERAMIC 22PF J		
C209,210			CF92FV1H473J	MF 0.047UF J		
C211,212			CE04KW1V100M	ELECTRØ 10UF 35WV		
C213,214			CK45FB1H471K	CERAMIC 470PF K		
C217,218			CF92FV1H272J	MF 2700PF J		
C219,220			CF92FV1H102J	MF 1000PF J		
C221,222			CF92FV1H562J	MF 5600PF J		

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* New Parts

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Teile ohne Parts No. werden nicht geliefert.

No.3

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C223-226			CF92FV1H272J	MF 2700PF J		
C227,228			CF92FV1H681J	MF 680PF J		
C229			CE04KW1V100M	ELECTRØ 10UF 35WV		
C230			CE04KW1C101M	ELECTRØ 100UF 16WV		
C231			C90-1350-05	NP-ELEC 2.2UF 50WV		
C301,302		*	C91-1434-05	FILM 150PF J		
C303,304		*	C91-1436-05	FILM 220PF J		
C305,306			CK45FB1H561K	CERAMIC 560PF K		
C307,308			CF92FV1H103J	MF 0.010UF J		
C309,310			CF92FV1H153J	MF 0.015UF J		
C311,312			CF92FV1H223J	MF 0.022UF J		
C313,314			CE04KW1V100M	ELECTRØ 10UF 35WV		
C315			CK45FF1H103Z	CERAMIC 0.010UF Z		
C316			CQ93HP2A682J	MYLAR 6800PF J		
C317,318			CE04KW1V100M	ELECTRØ 10UF 35WV		
C319			CC45FSL2H100D	CERAMIC 10PF D		
C320			CF92FV1H153J	MF 0.015UF J		
C321,322			CF92FV1H472J	MF 4700PF J		
C323			CF92FV1H682J	MF 6800PF J		
C324			CE04KW1H010M	ELECTRØ 1.0UF 50WV		
C325			CE04KW1V100M	ELECTRØ 10UF 35WV		
C326			CE04KW1H2R2M	ELECTRØ 2.2UF 50WV		
C401,402			CK45FB1H471K	CERAMIC 470PF K		
C403,404			CF92FV1H394J	MF 0.39UF J		
C405			CE04KW1E101M	ELECTRØ 100UF 25WV		
C406			C90-1352-05	NP-ELEC 4.7UF 25WV		
C501			CC45FSL1H221J	CERAMIC 220PF J		
C502			CK45FB1H102K	CERAMIC 1000PF K		
C503			CE04KW1V100M	ELECTRØ 10UF 35WV		
C505			CE04KW1C220M	ELECTRØ 22UF 16WV		
C506			CE04KW1E221M	ELECTRØ 220UF 25WV		
C701			CE04KW1V222M	ELECTRØ 2200UF 35WV		
C702		*	C90-1872-05	ELECTRØ 10000UF 25WV		
C704			CE04KW1H471M	ELECTRØ 470UF 50WV		
C705,706			CK45FF1H103Z	CERAMIC 0.010UF Z		
C707			CE04KW1V470M	ELECTRØ 47UF 35WV		
C708,709			CF92FV1H104J	MF 0.10UF J		
C710			CE04KW1V100M	ELECTRØ 10UF 35WV		
C711			CF92FV1H103J	MF 0.010UF J		
C712			CF92FV1H104J	MF 0.10UF J		
C714			CE04KW0J471M	ELECTRØ 470UF 6.3WV		
C715			CE04KW1V100M	ELECTRØ 10UF 35WV		
C716			CK45FF1H103Z	CERAMIC 0.010UF Z		
C717			CE04KW1V470M	ELECTRØ 47UF 35WV		
C720			CK45FF1H103Z	CERAMIC 0.010UF Z		
C723			CF92FV1H393J	MF 0.039UF J		
C724			CF92FV1H272J	MF 2700PF J		
C725			CK45FF1H103Z	CERAMIC 0.010UF Z		
C726			C91-0700-05	CERAMIC 0.1UF J		
C727			CK45FF1H103Z	CERAMIC 0.010UF Z		
C728,729			C91-0700-05	CERAMIC 0.1UF J		
C730			CE04KW1H010M	ELECTRØ 1.0UF 50WV		
C731			C91-0700-05	CERAMIC 0.1UF J		
C753		*	C91-1421-05	FILM 0.01UF 250AC	EYXT	
C753		*	C91-1439-05	FILM 0.01UF 250VAC	P	

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KX-5030

PARTS LIST

✕ New Parts

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Teile ohne Parts No. werden nicht geliefert.

No.4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C801,802 C805,806 C813 C814 C816			CE04KW1H010M CE04KW1C470M CE04KW1V100M CE04DW1C471M C90-1352-05	ELECTR0 1.0UF 50WV ELECTR0 47UF 16WV ELECTR0 10UF 35WV ELECTR0 470UF 16WV NP-ELEC 4.7UF 25WV		
C901 C903 C904 C951,952 C953,954			CE04KW1V4R7M CE04KW1H2R2M C90-1826-05 CE04KW1HR33M CF92FV1H332J	ELECTR0 4.7UF 35WV ELECTR0 2.2UF 50WV BACKUP 0.047F 5.5WV ELECTR0 0.33UF 50WV MF 3300PF J		
C956 C957,958 C959 C960 C961,962			CK45FB1H561K CE04KW1V4R7M CE04KW1V100M CE04KW1H010M CE04KW1V100M	CERAMIC 560PF K ELECTR0 4.7UF 35WV ELECTR0 10UF 35WV ELECTR0 1.0UF 50WV ELECTR0 10UF 35WV		
C963 C965,966			CE04KW1H010M CE04KW1V4R7M	ELECTR0 1.0UF 50WV ELECTR0 4.7UF 35WV		
J41 J51 J81			E13-0445-05 E11-0188-05 E11-0189-05	PHONE JACK (4P) LINE IN/OUT MINIATURE PHONE JACK SYNCRO PHONE JACK HEAD PHONE		
L11,12 L21,22 L23,24 L31,32 L33			L79-0720-05 L40-2235-29 L39-0171-05 L32-0377-05 L32-0531-05	LC FILTER SMALL FIXED INDUCTOR(22MH,J) TRAP COIL BIAS OSCILATING COIL BIAS OSCILATING COIL		
X1			L78-0275-05	RESONATOR 8MHz		
CP1 CP2 CP3 CP4 R22			R90-0819-05 R90-0824-05 R90-0499-05 R90-0478-05 RD14NB2E221J	MULTI-COMP 47K X6 MULTI-COMP 4.7KX6 MULTI-COMP 1000PX6 MULTI-COMP 1000PX4 RD 220 J 1/4W		
R79 R129 R243 R320 R321			RD14NB2E102J RD14NB2E100J RD14NB2E101J R92-0219-05 R92-0226-05	RD 1.0K J 1/4W RD 10 J 1/4W RD 100 J 1/4W FUSE RESIST 10 G 1/4W FUSE RESIST 68 G 1/4W		
R324,325 R326 R704 R705 R706			RD14NB2E220J RD14NB2E102J RD14GB2E102J RS14KB3D221J RD14NB2E222J	RD 22 J 1/4W RD 1.0K J 1/4W FL-PROOF RD 1.0K J 1/4W FL-PROOF RS 220 J 2W RD 2.2K J 1/4W		
R757 R763 R787 R823 R972			RS14KB3D100J RS14KB3D6R8J RD14NB2E271J RD14NB2E221J RD14NB2E101J	FL-PROOF RS 10 J 2W FL-PROOF RS 6.8 J 2W RD 270 J 1/4W RD 220 J 1/4W RD 100 J 1/4W		
VR1,2 VR31,32 VR95 VR101 VR102			R12-3686-05 R12-5651-05 R12-1619-05 R06-4085-05 R05-5043-05	TRIMMING POT.(22K) TRIMMING POT.(100K) TRIMMING POT.(4.7K) POTENTIOMETER REC LEVEL POTENTIOMETER REC BALANCE		
K1 S83			S51-2089-05 S40-1153-05	MAGNETIC RELAY PUSH SWITCH POWER		

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✕ New Parts

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No.5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
S101 S724 S726-740			S31-1017-05 S40-1064-05 S40-1064-05	SLIDE SWITCH TIMER PUSH SWITCH KEY BOARD PUSH SWITCH KEY BOARD		
D1 D1 D2 D2 D3			HSS104 1SS133 HZS11N(B2) RD11ES(B2) HSS104	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
D3 D16 -21 D16 -21 D31 D31			1SS133 HSS104 1SS133 HSS104 1SS133	DIODE DIODE DIODE DIODE DIODE		
D40 D40 D51 -54 D51 -54 D91 -93			HZS6.2N(B2) RD6.2ES(B2) HSS104 1SS133 HSS104	ZENER DIODE ZENER DIODE DIODE DIODE DIODE		
D91 -93 D701-704 D701-704 D705 D706			1SS133 SS688B 1SR139-100 KBPO2ML-6127 SS688B	DIODE DIODE DIODE DIODE DIODE		
D706 D707 D707 D708 D708			1SR139-100 HZS5.1S(B) RD5.1JS(B) HSS104 1SS133	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D709 D709 D710-712 D710-712 D713			HZS3.9N(B) RD3.9ES(B) HSS104 1SS133 SS688B	ZENER DIODE ZENER DIODE DIODE DIODE DIODE		
D713 D714-717 D714-717 D720,721 D720,721			1SR139-100 HSS104A 1SS131 HSS104A 1SS131	DIODE DIODE DIODE DIODE DIODE		
D722 D722 D724 D724 D724 D726-740			HSS104 1SS133 HSS104A 1SS131 HSS104A	DIODE DIODE DIODE DIODE DIODE		
D726-740 D743-749 D743-749 ED1 IC1			1SS131 HSS104 1SS133 FIP17AW6Y TA8125S	DIODE DIODE DIODE FLUORESCENT INDICATOR TUBE IC(2CH PRE AMP)		
IC11 IC21 IC21 IC31 IC41			HA12170NT NJM4565D-D RC4565D-D UPC1297CA TA7815S	IC(DOLBY B/C NR) IC(OP AMP X2) IC(OP AMP X2) IC(DOLBY HX PR0 SYSTEM) IC(VOLTAGE REGULATOR/ +15V)		
IC41			UPC7815HF	IC(VOLTAGE REGULATOR/ +15V)		

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PARTS LIST

KX-5030

* New Parts

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No.6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
IC51 IC81 IC95 IC95 IC96		*	TC9164N M5218AL NJM4565D-D RC4565D-D BA6138	IC(16CH BILATERAL SELECTOR SW) IC(OP AMP X2) IC(OP AMP X2) IC(OP AMP X2) IC(ROOT AMP X2)		
IC701 IC701 IC702 IC702 IC703		*	TA7812S UPC7812HF TA7805S UPC7805HF BA6209N	IC(VOLTAGE REGULATOR/ +12V) IC(VOLTAGE REGULATOR/ +12V) IC(VOLTAGE REGULATOR/ +5V) IC(VOLTAGE REGULATOR/ +5V) IC(MOTOR DRIVER)		
IC704 IC705 IC707 IC708 IC708		*	BA6229 CXP82124-104Q BA10393N M51951ASL PST529D	IC(MOTOR DRIVER) IC IC(DUAL COMPARATOR) IC(SYSTEM RESET) IC(SYSTEM RESET)		
Q1 -5 Q1 -5 Q21 ,22 Q23 -28 Q23 -28			2SC1740S(Q,R) 2SC3311A(Q,R) 2SD1302(S,T) 2SC1740S(Q,R) 2SC3311A(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q31 ,32 Q31 ,32 Q33 Q34 ,35 Q34 ,35		*	2SC1740S(Q,R) 2SC3311A(Q,R) 2SC3940A(R,S) DTC113ZS UN4219	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
Q41 ,42 Q51 Q51 Q71 -73 Q71 -73			2SD1302(S,T) DTC124ES UN4212 2SC1740S(Q,R) 2SC3311A(Q,R)	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q74 Q74 Q81 ,82 Q92 Q92		*	2SA1309A(Q,R) 2SA933S(Q,R) 2SD1302(S,T) 2SC1740S(Q,R) 2SC3311A(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q95 -97 Q95 -97 Q701 Q702 Q702		*	2SC1740S(Q,R) 2SC3311A(Q,R) 2SB941 2SA1309A(Q,R) 2SA933S(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q704-706 Q704-706 Q707 Q707 Q708		*	2SA1309A(Q,R) 2SA933S(Q,R) 2SC1740S(Q,R) 2SC3311A(Q,R) 2SC3246	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q709 Q709 Q710-715 Q710-715 Q716		*	2SC1740S(Q,R) 2SC3311A(Q,R) DTC113ZS UN4219 2SC3246	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		
MECHANISM ASS'Y (D40-0971-05)						
301 302 303 305	2A 1A 1B, 2B 3A	*	A10-2893-08 A10-2894-08 A11-0721-08 D01-0135-08	CHASSIS CALKED ASSY HEAD CHASSIS CALKED ASSY SHAFT CHASSIS ASSY FLYWHEEL ASSY		

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306 309 310 311 312	1B 1B 1B 1A, 1B 2A, 2B	*	D03-0293-08 D10-2429-08 D10-2430-08 D10-2431-08 D10-3198-08	REEL DISK ASSY CASSETTE LEVER LEVER EJECT LEVER BRAKE LEVER		
313 314 315 316 317	2A 2A 2B 2A 2A	*	D10-3199-08 D13-0874-08 D13-0875-08 D13-0953-08 D13-0954-08	BRAKE LEVER CAM GEAR IDLER GEAR GEAR ASSY GEAR ASSY		
321 323 326 328 334	2B 2A 2B 2B 2A	*	D15-0321-08 D23-0263-08 E35-0212-08 E35-0204-08 F39-0053-08	PULLEY ASSY CAPSTAN RETAINER ASSY WIRING HARNESS 4P (R/P HEAD) WIRING HARNESS 2P (E HEAD) REINFORCING PARTS		
335 338 339 340 341	1A 1B 1A 1B 2A, 2B	*	G01-2415-08 G01-3413-08 G01-3414-08 G01-3416-08 G01-3423-08	COMPRESSION SPRING (AZIMUTH) COMPRESSION SPRING (BLUE) COMPRESSION SPRING TORSION SPRING TORSION SPRING (BRAKE)		
342 343 347 348 350	1B 3A 1A 3A 1A	*	G02-0959-08 J21-5774-08 J30-0274-08 J39-0167-08 J39-0168-08	FLAT SPRING (CASSETTE) MOUNTING HARDWARE SPACER SPACER SPACER		
351 356 357 359 360	1A 3A 2A 1B 2A, 3A	*	J39-0169-08 N09-2758-08 N09-2759-08 N09-2762-08 N09-2763-08	SPACER SCREW SCREW SCREW SCREW		M2.6X3 M2X8 M2.6X1.6 M2X2.5
362 364 365 366 367	3A 3A 2A 1A 1A	*	N09-2765-08 N09-2852-08 N09-2853-08 N09-2854-08 N09-2855-08	SCREW SCREW SCREW SCREW SCREW		M2.6X8
368 369 372 374 375	1A 2A 2A 2A 1B	*	N09-2856-08 N09-2857-08 N19-1235-08 N19-1237-08 N19-1239-08	SCREW SCREW FLAT WASHER FLAT WASHER FLAT WASHER		/2.5X7X0.8 /3X8X0.5
376 383 384 385 386	2B 2A 2A 2A 2A	*	N19-1240-08 N19-1280-08 N19-1281-08 N19-1282-08 N19-1283-08	FLAT WASHER FLAT WASHER FLAT WASHER FLAT WASHER FLAT WASHER		/2.6X5.5X0.13
387 388 393 394 395	1A, 2A 1A 3B 2A 2A	*	N30-2630-46 N35-2012-46 S74-0004-08 S74-0005-08 S90-0112-08	PAN HEAD MACHINE SCREW M2.6X30 BINDING HEAD MACHINE SCREW LEAF SW LEAF SW ROTARY SWITCH WAFERS		
396 397 398 - AM	1B 3B 3A * 2A	*	T95-0118-08 W02-1112-08 W02-1113-08 J61-0094-08 T42-0593-08	PHOTO ISOLATOR ELECTRIC UNIT ELECTRIC UNIT WIRE BAND DC MOTOR ASSY		

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KX-5030

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BM	3A		D16-0299-08	MAIN BELT		
EH	1A	*	T32-0321-05	ERASE HEAD		
MM	3A, 3B	*	T42-0595-08	DC MOTOR ASSY (MAIN)		
PF	1A		D14-0319-08	PINCH ROLLER		
RM	2B, 3B	*	T42-0592-08	DC MOTOR ASSY (REEL)		
RPH	1A	*	T34-0341-05	RECORD/PLAYBACK HEAD		

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RM	2B, 3B	*	T42-0592-08	DC MOTOR ASSY (REEL)		
RPH	1A	*	T34-0341-05	RECORD/PLAYBACK HEAD		

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PARTS LIST

KX-5030

KX-5030

SPECIFICATIONS

Track System 4-track, 2-channel stereo
Recording System AC bias (Frequency: 105 kHz)
Heads Playback/recording head..... 1
Erasing head..... 1
Motors DC motor × 3
Fast Winding Time Approx. 80 seconds (C-60 tape)
Frequency Response:
Normal Tape 20 Hz to 17,000 Hz, ± 3 dB
CrO₂ Tape 20 Hz to 18,000 Hz, ± 3 dB
Metal Tape 20 Hz to 19,000 Hz, ± 3 dB
Signal-to Noise Ratio:
Dolby C NR ON 73 dB (Metal tape)
Dolby B NR ON 66 dB (Metal tape)
Dolby NR OFF 58 dB (Metal tape)

Harmonic Distortion Less than 0.8%
(at 1 kHz, 3rd H.D. Metal Tape)
Wow and Flutter 0.05% (W.R.M.S.)
± 0.12% (DIN)
Input sensitivity/Impedance:
LINE IN 77.5 mV/50 kΩ
Output Level/Impedance:
LINE OUT 490 mV/3 kΩ
Headphones 0.3 mW/8 Ω

[GENERAL]

Power Consumption 24 W
Dimensions W: 440 mm (17-5/16")
H: 127 mm (5")
D: 274 mm (10-13/16")
Weight (Net) 4.4 kg (9.7 lb)

Note:

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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Pour cette raison, les spécifications sont sujettes à modifications sans préavis.
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Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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Wang Kee Building, 4th Floor, 34-37, Connaught Road, Central, Hong Kong

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RM	2B, 3B	*	T42-0592-08	DC MOTOR ASSY (REEL)		
RPH	1A	*	T34-0341-05	RECORD/PLAYBACK HEAD		

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PARTS LIST

KX-5030

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PARTS LIST

KX-5030

KX-5030

SPECIFICATIONS

Track System 4-track, 2-channel stereo
Recording System AC bias (Frequency: 105 kHz)
Heads Playback/recording head..... 1
Erasing head..... 1
Motors DC motor $\times 3$
Fast Winding Time Approx. 80 seconds (C-60 tape)
Frequency Response:
Normal Tape 20 Hz to 17,000 Hz, ± 3 dB
CrO₂ Tape 20 Hz to 18,000 Hz, ± 3 dB
Metal Tape 20 Hz to 19,000 Hz, ± 3 dB
Signal-to Noise Ratio:
Dolby C NR ON..... 73 dB (Metal tape)
Dolby B NR ON..... 66 dB (Metal tape)
Dolby NR OFF..... 58 dB (Metal tape)

Harmonic Distortion..... Less than 0.8%
(at 1 kHz, 3rd H.D.Metal Tape)
Wow and Flutter 0.05% (W.R.M.S.)
 $\pm 0.12\%$ (DIN)
Input sensitivity/Impedance:
LINE IN 77.5 mV/50 k Ω
Output Level/Impedance:
LINE OUT 490 mV/3 k Ω
Headphones..... 0.3 mW/8 Ω

[GENERAL]

Power Consumption 24 W
Dimensions..... W: 440 mm (17-5/16")
H: 127 mm (5")
D: 274 mm (10-13/16")
Weight (Net)..... 4.4 kg (9.7 lb)

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